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James Phillips



A GENERAL SYSTEM OF NATURE,

THROUGH THE
THREE GRAND KINGDOMS
OF
Animals, Vegetables, and Minerals;
SYSTEMATICALLY DIVIDED
INTO THEIR SEVERAL
CLASSES, ORDERS, GENERA, SPECIES, AND VARIETIES,
WITH THEIR
HABITATIONS, MANNERS, ECONOMY, STRUCTURE,
AND PECULIARITIES.

Translated from GMELIN's last Edition of the celebrated

SYSTEMA NATURÆ,

BY SIR CHARLES LINNÆ.

AMENDED AND ENLARGED BY THE IMPROVEMENTS AND
DISCOVERIES OF LATER NATURALISTS AND SOCIETIES,

With appropriate Copper-plates,

BY WILLIAM TURTON, M. D.

AUTHOR OF THE MEDICAL GLOSSARY.

VOL. III.

"Thus may our life, exempt from public haunt,
"Find tongues in trees, books in the running brooks,
"Sermons in stones, and good in every thing."

SHAKESPEARE.

L O N D O N :

PRINTED FOR LACKINGTON, ALLEN, AND CO. TEMPLE OF THE
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A. G. E. N. E. R. A. L.

SYSTEM OF NATURE

THROUGH THE

THREE GRAND KINGDOMS

OF

MINERAL, VEGETABLE, AND ANIMAL

SYSTEMATICALLY ARRANGED

BY

CHARLES DEKKEY, M.D., F.R.S., F.L.S., F.A.S.

WITH

ILLUSTRATIONS BY J. G. E. N. E. R. A. L.



U. C. S. D.

ORDER III.

LEPIDOPTERA.

Wings 4, *covered with fine imbricate scales* :

tongue involute, spiral : *body hairy*.

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71. PAPILIO.

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71. **PAPILIO.** *Antennae* growing thicker towards the tip, and generally ending in a knob: *wings* when sitting, erect, the edges meeting together over the abdomen. They fly in the day-time.

Butter-fly.

For the more easily ascertaining the species of this numerous and beautiful tribe, I have given the divisions both of *Linne* and *Fabricius*; the latter of which is adopted, as exhibiting characteristics more clear and certain.

Linnean division.

Equites. Upper-wings longer from the posterior angle to the tip than to the base: antennæ often filiform.

a. *Trojans.* Generally black, with sanguineous spots on the breasts.

b. *Greeks.* Breast without sanguineous spots; an ocellate spot at the angle of the tail.

†. Wings without bands.

††. Wings with bands.

Heliconii. Wings narrow, entire, often naked or semitransparent, the upper-ones oblong the lower-ones very short.

Danai. Wings very entire,

a. *Candidi.* Wings whitish.

b. *Festivi.* Wings variegated.

Nymphales. Wings denticulate.

a. *Gemmati.* Wings with ocellate spots,

†. on all the wings,

††. on the upper wings only,

†††. on the lower wings only.

b. *Phalerati.* Wings without ocellate spots.

Plebeji. Small; the larva often contracted.

a. *Rurales.* Wings with obscure spots.

b. *Urbicolæ.* Wings mostly with transparent spots.

Fabrician Division.

Papilio. Feelers reflected : tongue exerted spiral : antennæ thicker towards the tip

A. Upper-wings longer from the posterior angle to the tip than to the base.

a. *Equites*. Lower-wings cut to admit the free motion of the abdomen.

†. *Trojans*. Generally black, with sanguineous spots on the breast.

††. *Greeks*. Breast without sanguineous spots : an ocellate spot at the angle of the tail.

b. *Satyri*. Lower-wings dilated on the inner-margin into a groove for the reception of the abdomen.

B. *Heliconii*. Wings oblong, the lower-ones short and rounded.

C. *Parnassii*. Wings rounded, entirely or partially naked.

D. Wings rounded,

a. *Festivi*. Lower-wings distant at the inner-edge.

b. *Danai*. Lower-wings meeting at the inner-edge and covering the base of the abdomen.

c. *Nymphales*. Lower-wings forming a groove for the reception of the abdomen.

Hesperia. Feelers compressed and hairy at the base, the tip cylindrical and naked : club of the antennæ oblong and often hooked.

a. *Rurales*. Wings with obscure spots,

b. *Urbicolæ*. Wings with mostly transparent spots.

These insects feed on the nectar of flowers, and the moisture exuding from trees : the *larvæ* are active and furnished with tentacula and 16 feet ; they are sometimes spinous and sometimes naked, and feed voraciously on the leaves of various plants : the *pupa* is naked, quiescent, and attached to trees or other substances by filaments either from the tip or the middle.

Equites. Trojans.

- Paris.* Wings tailed black ; the lower ones with a large blue spot and purple eye, and 7 lunules beneath.
Natural. Miscel. tab. 404. Donovan's Glin Inf. tab. 1.
Clerk Icon. tab. 13, fig. 1. Drury Inf. 1, tab. 12, fig. 1.
 Inhabits *Asia* and *China*. *Cramer Inf. tab. 103 fig. A. B.*
Body and *Wings* speckled with green ; the lower ones beneath with white : *upper-wings* with a green spot at the posterior angle.
- Bianor.* Wings tailed black, both surfaces nearly the same colour, the lower-ones with 5 rufous lunules
Inhabits China. Cramer. Inf. 9, tab. 103, fig. 6.
 Resembles the last, from which it chiefly differs in wanting the blue spots and having the 5 red crescents on the lower wings:
- Helenus.* Wings tailed black, the lower-ones with a white spot and double purple lunule.
Inhabits Asia Cramer. Inf. 13. tab. 153, fig. A. B.
Clerk Icon. tab. 13. fig. 2. Seba Mus. 4, tab. 46, fig. 17, 18.
Lower-wings beneath with 3 whitish lunules and 7 ferruginous ones
- Thersites.* Wings tailed brown, both surfaces the same colour ; the lower pair with 9 red lunules dotted with white.
Inhabits Sumatra. Cramer Inf. 15, tab. 180, fig. B.
 Much less than the last : *head* and *thorax* dotted with white : *upper wings* immaculate, darker at the base.
- Polytes.* Wings tailed black, both surfaces the same colour ; the upper-ones with a band composed of 5 white spots and red lunules.
Inhabits Asia. Cramer Inf. 23, tab. 265, fig. A. B. C.
Clerk Icon. tab. 14, fig. 1. Seba. Mus. 4, tab. 27, fig. 23, 24.
- Mutius.* Wings tailed black ; the upper-ones with a white band, lower ones with a band of 5 red spots and lunules.
Inhabits Tranquebar. Cramer Inf. tab. 43, fig. A.
 Is probably a mere variety of the last.
- Heister.* Wings tailed black, both surfaces the same colour ; the upper pair with an interrupted white band, lower-ones with numerous crimson spots.
Inhabits Asia. Cramer Inf. tab. 131, fig. A. Nat. Miscel. t. 271.
Clerk Icon. tab. 33, fig. 1. Jablon Pap. 2, tab. 13, fig. 2.
Head and *upper-margin* of the *thorax* red : *abdomen* black : *tail* red : *upper-wings* with a broken white spot at the tip.

- Ascanius.** Wings tailed, black with a common white band, both surfaces alike, the lower-ones clouded with red.
 Inhabits *Brasil.* *Cramer Inf* 2, *tab.* 14. *fig.* A.
 Body black: *breast* with sanguineous spots; the white band is mixed with red on the lower-wings which have red lunules.
- Antenor.** Wings tailed, both surfaces the same colour, black spotted with white, the lower ones with a marginal row of red lunules.
 Inhabits *India.* *Naturalist's Miscel.* *tab.* 197.
Tablons. pap. 2, *tab.* 13, *fig.* 1. *Drury Inf.* 2, *tab.* 3, *fig.* 1.
 Head red: *antennae* black; *thorax* black: *abdomen* white with red bands: *wings* with numerous scattered white spots, the lower pair greenish in the middle with a red lunule at the angle of the tail.
- Troilus.** Wings tailed black: the upper ones with pale marginal spots; lower-ones with pale spots above, and fulvous ones beneath.
 Inhabits *North America.* *Cram. Inf* 18, *tab.* 207, *fig.* A. B. C.
Drury Inf. 1, *tab.* 11. *fig.* 3-5. *Tablons. pap.* 2. *tab.* 17, *fig.* 3-4.
- Ilioneus.** Wings tailed black; the lower-ones with a blueish border, fulvous at the angle of the tail, with red subocellar bitarious spots beneath.
 Inhabits *Georgia.* *Smith's Lepidopterous Ins of Georgia.*
- Glaucus.** Wings tailed brown; the lower-ones blue-black, fulvous at the angle of the tail, with yellow lunules beneath.
 Inhabits *America.* *Jones. Fig. pict.* 1, *tab.* 45.
Clerk Icon *tab.* 24, *fig.* 1.
 Wings clouded, both surfaces nearly the same colour, the upper-ones with a yellow spot: the yellow lunules on the lower-wings are marked with an orange spot.
- Palinurus.** Wings tailed black with green-gold specks and a common blue-green band
 Inhabits *Tranquebar*; middle-sized.
 Body covered with green-gold specks: all the wings black, beneath speckled with white, the upper ones cinereous at the tip, the lower-ones with marginal subocellar fulvous spots.
- Crino.** Wings tailed black with green-gold specks and a common blue-green band, the lower-ones beneath with green blue and cinereous lunules.
 Inhabits *Africa.* *Jones. Fig. pict.* 1, *tab.* 53.
 Angle of the tail with a rufous ocellate spot, the pupil black.

Desphobus. Wings tailed black, the base beneath spotted with red; the lower-ones with 7 red subannular spots.

Inhabits *Asia*. *Cramer Ins.* 16. *tab.* 181, *fig.* A. B.

Clerk Icon. tab. 25. *Seba Mus.* 4. *tab.* 47, *fig.* 3, 6.

The red lunules on the *lower wings* are yellowish at the tip.

Pelaus. Wings tailed black: the upper-ones with a white band, the lower-pair with white marginal lunules and 2 red dots.

Inhabits *India*. *Cramer Ins.* 15, *tab.* 177, *fig.* A. B?

Small. *Ereast* black with a red spot each side: *upper-wings* indented, both surfaces alike, with a submacular band in the middle and thin white marginal lunules: *lower-wings* with 6 red dots beneath before the margin.

Asterias. Wings tailed black with 2 yellow macular bands; angle of the tail fulvous with a deep black dot.

Inhabits *America*. *Cramer Ins.* 35, *tab.* 385, *fig.* C. D.

Drury Ins. 1, *tab.* 11, *fig.* 2. *Tabl. Pap.* 2, *tab.* 18, *fig.* 1.

Upper-wings with 2 parallel bands, the margin spotted with yellow; lower pair beneath of the same colour but the spots are are larger and more fulvous.

Phorbanta. Wings tailed black spotted with blue; lower-ones with an interrupted white band beneath.

Inhabits *Cayenne*. *Aubert Miscell. tab.* 43, *fig.* 1, 2.

Philenor. Wings tailed black; the lower-ones with a greenish gloss, and 7 red subocellar spots beneath.

Inhabits *America*. *Cramer Ins.* 18, *tab.* 208, *fig.* A. B.

Drury 1, *tab.* 11, *fig.* 1, 4: *Tabl. Pap.* 2, *tab.* 79, *fig.* 2, 3.

Body black; *abdomen* speckled with white: margin of the *upper-wings* varied with white and black: *lower-ones* with a few obsolete white specks, the margin varied with white and black; beneath with a white dot at the base the tip greenish with 7 round fulvous dots surrounded with a black ring and marked with a small white lateral dot.

Cyrus. Wings tailed black, the margin spotted with white: lower-ones with a white macular band and marked beneath with 7 red lunules.

In the *British Museum*

Lower-wings with a white band of 7 spots and a red lunule at the angle of the tail.

Pammon. Wings tailed black, both surfaces the same colour, the margin spotted with white: lower-ones with 7 white spots.

Inhabits *Asia*. *Cramer Ins.* 12, *tab.* 141, *fig.* B.

Clerk Icon. tab. 14, *fig.* 2. *Seb. Mus.* 4, *tab.* 27, *fig.* 21, 22.

Is sometimes though rarely, found without tails.

- Afus.* Wings tailed black with a common white band; lower-ones spotted with red beneath at the base and tip.
 Inhabits *South America*. Small black.
Thorax with a cinereous lateral line: *breast* with a cinereous dot each side: *abdomen* with a cinereous lateral line beneath: *upper-wings* with both surfaces alike; lower-ones above black with 3 scarlet lunules at the angle of the tail and 5 white ones at the margin, beneath brown with red spots at the base, a red line at the thinner margin and 3 red lunules at the angle of the tail, the margin with 4 white lunules.
- Acamas.* Wings indented tailed brown, both surfaces the same colour; upper-ones with a yellow band, lower-ones with red blue and yellow lunules.
 Inhabits *Jamaica*. *Jones Fig. pict. 1. tab. 72.*
Upper-wings with a few marginal spots, lower-ones black at the tip: *body* above brown, beneath pale.
- Laodocus.* Wings indented tailed black, the upper pair with an abbreviated yellow band, lower-ones with rufous blue and white lunules beneath.
 Inhabits *Brazil*. *Jones Fig. pict. 1. tab. 66.*
Body black with a white lateral line.
- Achates.* Wings tailed black, rufous at the base, both surfaces nearly the same colour, the lower-ones with an 8-divided white spot.
 Inhabits *China*. *Cramer Inf. 16. tab. 182. fig. A. B.*
 2 Wings brown, black at the base, the upper-ones with a rufous spot, lower-ones with white spots.
Papilio Alcenor. *Cramer. Inf. 14. tab. 166. fig. A.*
Upper-wings brown striate, with a red spot at the base each side: *lower-wings* with a full black spot at the base above and a sanguineous one beneath, on the disk is a large white spot 8-cleft at the future, the hind-margin with red lunules.
- Lysander.* Wings tailed black; upper-pair with a white streak; lower-ones with a white spot in the middle and red lunules.
 Inhabits *India*. *Dr. Fothergill.*
- Polydorus.* Wings tailed, both surfaces alike, black; lower-ones with a 6-cleft white spot at the future and 7 red lunules.
 Inhabits *India*. *Cramer 11. tab. 128. fig. A. B.*
- Coon.* Wings tailed both surfaces alike; upper-ones brown, lower-ones black spotted with white at the base and a double yellow spot at the angle of the tail.
 Inhabits *China*. *Jones Fig. pict. 1. tab. 36.*
 Large. *Lower-wings* white at the base and small at the outer margin, the first yellow spot near the tail is lunate.

Antiphus. Wings tailed black, both surfaces the same colour; the lower-ones with 7 red lunules.

Inhabits *India*. Jones Fig. pict. 1. tab. 14.

Resembles *P. Polydorus*, but is less and wants the white spot on the lower-wings.

Dardanus. Wings tailed; the upper-pair with a green round spot, lower-ones with a red palmate spot.

Inhabits *Brazil*. Jones Fig. pict. 1. tab. 26.

Body black: shoulders and tail rufous: upper-wings beneath immaculate: sanguineous spot on the lower-wings composed above of 4 beneath of 3 lobes: angle of the tail with a red dot.

Tros. Wings indented tailed black, both surfaces alike: upper-ones with an abbreviated white band, lower-ones with a macular red one

Inhabits *Brazil*. Jones Fig. pict. 1. tab. 28.

Body black dotted with red each side: lower-wings with a band composed of 6 red spots.

Antimachus Wings indented elongated black; upper-ones with subradiate fulvous spots, lower-ones with a radiate rufous disk speckled with black.

Inhabits *Africa*. Jones Fig. Pict. 1. tab. 41.

Large. Head and thorax speckled with yellow: upper-wings very long, variegated beneath at the base: lower-wings with a radiate fulvous disk in which are 8 black spots, and pale spots at the margin, beneath yellowish with 8 black spots in the middle and a black nearly marginal band deeply indented each side.

Priamus. Wings indented silky, upper-pair above green with a black disk and edge, lower-ones with 4—6 black spots.

Inhabits *Amboina*. Cram. 2 tab. 23. fig. A. B. Nat. Mif. tab. 15.

Antennae sharpened at the end: thorax black with 3 green spots 1 2: abdomen yellow: lower-wings edged with black, with a yellow spot at the outer-margin near the base.

Amphrissus. Wings indented black, both surfaces alike; upper-ones with yellow spots, lower-ones with a yellow disk.

Inhabits *India*. Cramer Ins. 19. tab. 219. fig. A.

Spots on the upper-wings radiate: angle of the tail with a black dot.

- Remus.* Wings indented black, both surfaces nearly alike; lower-ones with yellow marginal spots each side.
Inhabits *Amboina*. *Cramer Inf.* 1. *tab.* 10—11. *fig.* A. B.
Large. *Lower-wings* whiter beneath, the margin above furrounded with 6 rich yellow spots.
- Laomedon.* Wings indented: upper-pair brown, lower-ones black with a double rufous spot at the angle of the tail.
Inhabits *China*. *Jones Fig. pict.* 1. *tab.* 10.
Upper-wings each side brown striate with black: *lower-wings* beneath with a rufous lunate band and 3 black dots at the angle of the tail.
- Memnon.* Wings indented; all of them marked beneath with rufous at the base.
Inhabits *China*. *Cram. Inf.* 8. *tab.* 91. *fig.* C. *tab.* 50. *fig.* A. B.
Upper-wings with a red spot at the base.
- Athyanax.* Wings indented black, both surfaces the same colour; the upper-ones with a striate white band including a smaller one, lower-ones spotted with black.
Inhabits *India*. *Jones Fig. pict.* 1. *tab.* 20.
Body black: upper spot on the *lower-wings* palmate.
- Protenor.* Wings indented black; the lower-ones beneath with an irregular red spot at the angle of the tail.
Inhabits *Surinam*. *Cramer. Inf.* 5. *tab.* 49. *fig.* A. B.
Upper wings immaculate; under-ones with a double dot at the angle of the tail, beneath with marginal red lunules and an irregular red spot with a black dot.
- Agenor.* Wings indented black, sanguineous at the base; lower-ones white on the disk with black spots
Inhabits *China*. *Cramer Inf.* 3. *tab.* 32. *fig.* A. B.
- Anchises.* Wings indented black, both surfaces alike; lower-ones with 7 ovate scarlet spots.
Inhabits *America*. *Cramer Inf.* 27. *tab.* 318. *fig.* A. B. C. D.
Larva gregarious with yellow tentacula, spinous brown annulate with white: *pupa* brown, 4-toothed before.
- Sarpedon.* Wings indented, brown with a green band; lower-ones beneath with a red line at the base and 5 red spots.
Inhabits *Asia*. *Cramer Inf.* 11. *tab.* 122. *fig.* D. E.

Polydamus. Wings indented black bronzed with a macular yellow band: the lower ones with flexuous red lunules beneath.

On the *Aristolochia anguicida.* Cramer. 18. tab. 21. D. E.

Larva chestnut brown glabrous with numerous purple streaks and 4 yellowish eyes tipped with purple on each segment: *pupa* green.

Androgeus. Wings indented black bronzed; the lower pair beneath with red blue and yellow lunules.

Inhabits *Surinam.* Cramer 2. t. 15. f. C. D. 29. t. 350. f. A.B.

Peranthus. Wings indented tailed black, above green at the base, beneath pale at the tip; lower-ones with 7 fulvous lunules.

Inhabits *Cochin China.* middle-sized.

Body above glossy-green, beneath white: all the wings black at the tip with obsolete green spots, the marginal cavities whitish; beneath black at the base speckled with yellow, the upper-pair with a large pale lunule, lower 7 fulvous lunules the outer of which has a white line in the middle the others with an opposite blue lunule.

Amphimedon. Wings indented brown, both surfaces alike; upper-ones radiate with white, lower-ones with a 5-cleft red spot and red lunules.

Inhabits *Amboina.* Cramer *Inf.* 14. tab. 194. fig. A.

Body brown: *thorax* with 3 red streaks before.

Zacynthus. Wings indented black; the upper-ones with a green-white spot, lower-ones with a palmate red one.

Inhabits *Brazil.* Jones *Fig. pict.* 1. tab. 22.

Spot in the middle of the upper-wings white before and green behind, beneath a white spot only: lower-wings with a 5-lobed red spot above, beneath speckled with rufous: *body* black with a red spot under the wings.

Dimas. Wings indented black, both surfaces alike; upper-ones with a white spot divided by the veins, lower-ones with a palmate red spot.

Inhabits *Brazil.* Cramer *Inf.* 2. tab. 29. fig. E. F.

Spot on the upper-wings 4-cleft at the futures: palmate spot on the lower wings 6-cleft: scollops of the wings rufous.

Idaus. Wings indented black; upper-pair with an abbreviated yellow band: lower-ones with a palmate red spot and dots.

Inhabits *Madras*. *Jones Fig. pict. 1. tab. 25.*
 Palmate spot paler beneath, icollops of the wings whitish.

Vertumnus. Wings indented black; upper-pair with a round green spot in the middle; lower-ones with a palmate sanguineous spot.

Inhabits *Surinam*. *Cramer. Inf. 18. tab. 111. fig. A. B. C.*
Upper-wings beneath immaculate: *lower-wings* with a red shining 4-cleft spot.

Eneas. Wings indented black; upper-pair with a green spot above: lower-ones with a red palmate spot.

Inhabits *India*. *Cram. Inf. 24. tab. 279. fig. A. B. C. D.*

Ilius. Wings indented black; upper-pair with a white spot, lower ones beneath with red dots at the base and angel of the tail.

Inhabits *America*. *Jones Fig. pict. 1. tab. 29.*
Upper-wings with a white spot in the middle bifid at the suture, beneath immaculate: *lower-wings* with 4 red dots above at the angle of the tail, beneath 4 at the base and 4 larger ones at the angle of the tail: indentations of the *wings* white.

Iphidamus Wings indented black, both surface uniform: upper-pair with an abbreviated white band, lower-ones with a broad red one.

Inhabits ——— *Jones Fig. pict. 1. tab. 31.*
 Band on the *upper-wings* divided at the suture, the hind-margin dotted with white: *body* spotted each side with red.

Belus. Wings indented greenish: lower-pair palish at the inner margin, beneath brown with red lunules.

Inhabits *Surinam*. *Cram. 10. t. 112. A. B. C. t. 13. f. A. B. C.*
Wings beneath brown: *breast* brown with yellow spots: *abdomen* above pale beneath brown and speckled with white each side.
 Varies in having a yellowish spot on the first-wings and a streak of yellowish dots on the second.

Pompeius. Wings indented black, both surfaces uniform: lower-pair with red spots.

Inhabits *Surinam*. *Cramer. Inf. 24. tab. 278. fig. C. D.*
Thorax and *breast* spotted with red: hind-margin of the *lower-wings* with red spots between the teeth.

Polymnestor Wings indented black, both surfaces nearly the same colour; lower-pair blueish towards the tip and spotted with black and white.

Inhabits

Inhabits *Asia*. *Cram.* 5. t. 33. f. A. B. *Natural. Miscel.* t. 28.

Upper-wings with a few whitish clouds towards the tip and a long crimson mark near the base : *lower* black at the base : both pair beneath spotted with red at the base.

Panthous. Wings indented black, both surfaces uniform : upper-pair spotted with white, lower with white spots including black ones.

Inhabits *India*. *Cram.* 11. tab. 123. fig. A. tab. 124. fig. A.

2 *Upper-wings* clouded, lower-ones with yellow spots,

Naturalist's Miscellany. vol. 420.

Pandarus. Wings slightly indented, both surfaces nearly alike, blackish spotted with white : lower-pair yellow with 7 black eyes, the pupil blue.

Inhabits *India*.

Astenous. Wings indented black, both surfaces the same colour ; upper-pair with a radiate white spot, lower-ones yellow on the disk

Inhabits the *Cape of good hope*. *Cram.* 3. tab. 25. fig. A.

Large. *Thorax* black : *abdomen* beneath yellow : indentations of the *upper-wings* whitish : border of the lower wings black and before the margin and few yellow spots.

Helena. Wings indented black, both surfaces alike ; common disk of the second pair brilliant gold-colour.

Inhabits *Surinam*. *Cram.* 12. t. 14. fig. A. B. *Nat. Miscel.* t. 77.

Body brown : yellow disk of the wings crossed by black veins.

Heliacor. Wings indented black, both surfaces alike ; disk of the lower-ones yellow dotted with black.

Inhabits *India*. *Jones Fig. pict.* 1. tab. 42.

Body blackish : *abdomen* beneath yellow.

Eurypylus. Wings indented black, both surfaces alike, with an interrupted green band and spots ; lower-pair beneath spotted with red.

Inhabits *India*. *Cramer. Inf.* 11. tab. 122. fig. C. D.

Cressida. Wings indented ; upper-pair hyaline with 2 black spots, lower-ones black with a white spot.

Inhabits *New Holland* ; middle-sized.

Front white : *breast* red at the sides : *abdomen* black : *tail* red : a black dot in the middle of the white spot on the *lower-wings* ; angle of the *tail* with a rufous spot and 5 marginal red spots beneath.

Harmonia.

Harmonia. Wings scalloped white, both surfaces alike; upper-pair with a black spot, under-ones with a brown margin and 5 white dots.

Inhabits *New Holland*; less than the last.

Body black: *thorax* spotted with white: tip of the *upper-wings* brownish: *lower-wings* dusky with a whitish streak in the middle.

Equites. Greeks.

Ripheus. Wings with 6 tail-like processes, black with green bands: lower-ones with a large red patch inclosing 2 black dots.

Inhabits *Caromandel. Cram. 3. tab. 385. fig. A. B.*

Naturalist's Miscellany. iv. tab. 125.

Wings with transverse green lines and a band in the middle bifid at the tip: body black with a green line down the middle.

Leilus. Wings tailed both surfaces alike, black with a shining green band and numerous narrow stripes.

Inhabits *America. Cram. 8. tab. 85. f. D. E. Nat. Misc. t. 360.*

Body black with green lines: *lower-wings* whitish at the bottom with black marks: *antennae* green: *larva* covered with long strong bristles, green with a blue head: *pupa* pale brown spotted.

Lavinia. Wings tailed black barred with green, beneath silvery with fulvous stripes.

Inhabits *America. Body black; feelers white.*

Upper-wings indented black with a band of 5 oblong green spots, and 3 lesser ones between the band and the thicker margin, beneath varied with white fulvous and silvery with a black blotch at the thick edge in which is a white bifid line and a flexuous blue one: *lower-wings* with an entire green band at the base and another behind of 7 spots, angle of the *tail* fulvous, beneath silvery with 3 fulvous streaks and a white band in the middle.

Brutus. Wings tailed white with a black border; lower-pair with a brown band beneath.

Inhabits *Africa. Cram. 32. t. 378. f. D. E. t. 151. fig. A. B.*

Head and *thorax* black dotted with white: *abdomen* whitish with a black line, the sides dotted with black: *upper-wings* black on the outer margin and tip with a yellow dot at the tip, both surfaces alike: hind margin of the *lower-wings* dotted with black; beneath whitish with brown veins and a broad brown band in the middle: the hind-margin brown.

Doliceon. Wings tailed white with a common black border: lower-ones with marginal white dots each side.

Inhabits America. Cramer. Papil. 2. tab. 17. fig. C. D.

Both surfaces of the wings nearly alike, but the lower-ones have a black ring in the white disk beneath: tail black tipped with white.

Ulysses. Wings tailed black with a blue radiating disk; lower-pair with 7 ocellate spots beneath.

Inhabits Asia. Cramer. Papil. 11. tab. 121. fig. A. B.

Naturalist's Miscellany. iii. tab. 92.

Thorax and abdomen black with a brown border:

Diomedes. Wings tailed black, the disk unequally radiate with blue; lower-ones with blue lunules.

Inhabits India. Cramer. Papil. 11. tab. 122. fig. A.

Naturalist's Miscellany. 8. tab. 296.

Thorax black with 4 white dots: abdomen reddish speckled with green, the border paler: edge of the wings varied with white: upper-wings with a common blue patch in the middle in which is a large round black spot, the shoulders radiate with green.

Protesilaus. Wings tailed, both surfaces nearly alike, white with brown bands and a single red one beneath; angle of the tail red.

Inhabits America. Cramer. Inf. 17. tab. 202. fig. A. B.

Larva black, spinous.

Antilochus. Wings tailed, both surfaces alike, yellow with black bands and margin; the tail white and as long as the wings.

Inhabits North America. Catesby's Carolina. ii. tab. 83.

**Podalirius* Wings tailed, both surfaces nearly alike; yellowish with double brown bands and margin: lower-ones with 5 blue ocellate spots and reddish line beneath.

Inhabits Europe. Cramer. Inf. 13. tab. 152. fig. B.

Donovans iv. tab. 109. Lewin. tab. 35.

Larva solitary, yellowish dotted with brown, head pale green: pupa yellowish dotted with brown, 2-toothed before.

Antiphatas Wings tailed white, the margin brown barred with white, lower-ones beneath yellowish at the base and barred with black.

Inhabits America. Cramer. Papil. 6. tab. 72. fig. A. B.

All the wings white with a brown border, the outer edge with 7 white bands, the tail long ovate black; beneath yellowish at the base with 2 black bands, the tip whitish with a few black dots.

Alcibiades. Wings tailed white; upper-ones with black bands on the the margin, lower-ones beneath ferruginous at the tip dotted with black.

Inhabits *Tranquebar*; less than *P. podalirius*.

Head fulvous with a broad black line in the middle: *thorax* cinereous downy with 2 fulvous spots: *abdomen* whitish with a lateral black macular line: *upper-wings* greenish at the base: *under-wings* with a black spot near the tail and marginal lunules, the tail long black tipped with white; beneath striate with black.

Pompilius. Wings tailed white, the border black barred with white; lower-ones beneath with ferruginous spots marked with black.

Inhabits *India*; size of *P. Sinon*.

Body above whitish with a black dorsal line: *upper-wings* black on the outer and hind-margin with 7 white bands, under surfaces the same: *lower-wings* edged with black, the excavations white, lunule at the angle of the tail reddish, the tail long black edged with white; beneath greenish at the base barred with black, the tip whitish with reddish spots marked with black, and black lunules.

Sinon. Wings tailed black with green entire band stripes and dots: lower-ones with a red line underneath.

Inhabits *India*. *Cramer. Inf. 27. tab. 317. fig. 6. D. E. F.*

Half the size of *P. Podalirius*: angle of the tail rufous.

Agapenor. Wings tailed black with green macular bands: lower-ones with a sanguineous line beneath.

Inhabits *Africa*. *Jones Fig. pict. 1. tab. 51.*

Body above black with white lines, beneath whitish: tail of the wings long black tipped with white: wings varied underneath with black and white, the lower-ones white on the disk with a red line edged with black.

Thyastes. Wings tailed black with a yellow band and spots: lower-ones with a red line beneath.

Inhabits *Brazil*. *Jones Fig. pict. 1. tab. 92.*

The yellow band is much broader at the base.

- Chiron.* Wings tailed black barred with brown; underneath white on the fore-part with ferruginous streaks.
 Inhabits *India*. *Cramer. Inf. 17. tab. 200. fig. D. E.*
Wings above blackish with 4 rusty-brown bands, the tail sharp brown ending in a white dot, a full black eye at the angle of the tail; grey on the hind-part underneath.
- Cretbon.* Wings tailed above brown beneath glaucous, with a white band both sides.
 Inhabits *Surinam*; small, brown.
Upper-wings brown at the base with a few darker stripes, a white band in the middle, the tip black with 6 or 7 white dots: beneath glaucous with a white band and fulvous streaks: *lower-wings* with 3 ocellar black spots with a whitish iris on the hind-margin, a small rufous spot at the angle of the tail, tail of the wings long black edged with white: underneath with a few fulvous streaks and 3 black dots behind.
- Orflocbus.* Wings tailed; upper-ones with 2 white bands: lower-ones with one; beneath white at the base with a fulvous band.
 Inhabits *Surinam*. *Cramer Inf. 17. tab. 200. fig. F. G.*
Lower-wings with 2 black eyes, the iris white, at the angle of the tail which is appendaged and ferruginous; *tail* of the wings long black edged with white, beneath white at the base with a fulvous band, the tip brown with a glaucous streak.
- Curius.* Wings tailed, both surfaces alike, black; upper-pair with 2 hyaline bands, lower-ones with a single white one.
 Inhabits *Siam*. In the Museum of Sir *Jos. Banks*.
Body above brown, beneath whitish, sides of the *abdomen* dotted with black: hind band on the *upper-wings* broader with black veins: *tail* of the wings very long black, the outer edge and tip white.
- Othariu.* Wings tailed hyaline with a red margin and stripe.
 Inhabits *Surinam*. *Cramer. Inf. 5. tab. 59. fig. A.*
Body small black: angle of the *tail* with a scarlet spot.
- Licarsis.* Wings tailed black with 2 white bands: angle of the tail with 2 red dots.
 Inhabits *Surinam*. *Cramer. Inf. 6. tab. 63. fig. C.*
Upper wings underneath with a red line and dot at the base: tail of the *lower-wings* long obtuse, with a few white dots, beneath with 2 small blue dots between the red ones.

- Meliboeus.* Wings tailed brown : upper-pair with a red stripe, lower-ones with 2 : beneath shining blue.
 Inhabits *Surinam* *Cramer Inf.* 12. *tab.* 144. *fig.* A. B.
Upper-wings with a black margin and band underneath : *lower-wings* with a broad black band underneath : angle of the tail with a red and white dot.
- Homerus.* Wings tailed black with a yellow band, lower-ones yellowish underneath with 7 eyes
 Inhabits *America.* *Jones Fig. pict.* 1. *tab.* 8. large.
Upper-wings above with a yellow macular band and yellow spots at the tip, and a single whitish marginal spot at the tip beneath : spots on the lower-wings black with a rufous iris.
- Turnus.* Wings tailed, both surfaces alike, yellow with black margin and 5 abbreviated bands : angle of the tail fulvous.
 Inhabits *America.* *Cramer. Inf.* 4. *tab.* 38. *fig.* A. B.
- **Machaon.* Wings tailed, both surfaces alike, yellow with a brown border in which are yellow lunules ; angle of the tail fulvous.
Donovan's Eng. Inf. vi. *tab.* 211. *Natur. Miscell.* *tab.* 398.
 Inhabits *Europe*, on umbelliferous plants. *Lewin. tab.* 34.
Larva solitary glabrous, furnished with teatacula, annulate with black and green and dotted with red : *pupa* yellowish.
- Thersites.* Wings tailed yellow with a black border ; lower-ones with yellow lunules.
 Inhabits *America.* In the Museum of Dr. Hunter.
Thorax black with 4 yellow dots : *breast* yellow : *abdomen* yellow, black on the back : *upper wings* yellow underneath, the margin black with a yellow streak : *lower wings* black at the tip with 6 yellow lunules, angle of the tail with a rufous lunule, tail of the wings black ; underneath yellow with a black streak composed of spots including a blue lunule.
- Cotrus.* Wings tailed, above black underneath brown ; upper-ones with a macular white band each side.
 Inhabits *Ambocina.* *Cramer. Inf.* 15. *tab.* 279. *fig.* A. B.
Wings with a green gloss above, the inner margin greenish with ferruginous specks : band composed of 8 spots.
- Chalcas.* Wings tailed black with 2 yellow macular bands ; lower-ones beneath with a yellow fillet and rufous lunules.

Inhabits *America*. *Cramer. Inf. 8. tab. 91. fig. A. B.*

Body black: thorax with 2 yellow lines: breast and sides of the abdomen yellow; upper-wings with a yellow lunule in the middle 2 bands and small marginal dots, under-surface alike: lower-wings with 2 yellow bands and 6 lunules, angle of the tail yellow with a blue lunule and 2 rufous ones, hind-margin with small yellow lunules, wing-tail obtuse black with a yellow line.

Menestheus. Wings tailed black, beneath with whitish spots in streaks: lower-ones with rufous and blueish lunules.

Inhabits *India*. *Cramer Inf. 12. tab. 142. fig. A. B.*

Angle of the tail with a blueish and red lunule.

Xuthus. Wings tailed black with white spots in streaks; lower-pair underneath with subfasciate blue and fulvous eyes.

Inhabits *India*. *Cramer Inf. 7. tab. 73. fig. A. B.*

Upper-wings streaked with white at the base and spotted at the tip; *wing-tail* black edged with white: angle of the tail above white, beneath fulvous with a black dot each side.

Thefander. Wings obtusely tailed, brown with a yellow band and macular streaks; lower-ones beneath chestnut-brown on the disk with black lines.

Inhabits *Sierra Leona*. *Jones Fig. pict. 1. tab. 71.*

Upper-wings beneath with a macular white band: *lower-wings* beneath brown at the base with a white streak and white spot in the centre of the disk and 7 white lunules behind.

Thoas. Wings tailed black-brown with ochre-yellow bands; lower-pair yellow beneath with a black band and blue lunules.

Inhabits *South America*. *Cramer Inf. 14. tab. 167. fig. A. B.*

Shaw's Naturalist's Miscellany. ix. tab. 331.

Cressphontes Wings tailed black with a green band; lower-ones with a blue band beneath.

Inhabits *India*. *Cramer Inf. 3. tab. 89. fig. A. B.*

Lower-wings with 5 green lunules before the margin, beneath with alternate black and green bands and a blue one in the middle: *upper pair* beneath with 4 green streaks at the base and a macular band.

- Polycaon*, Wings indented tailed black with a yellow band: lower-ones with fulvous blue and yellow lunules beneath.
Inhabits *Surinam*. *Cramer Inf.* 17. tab. 203 fig. A. B.
Lower-wings above with 2 streaks of obsolete greenish lunules which terminate at the inner-margin in a yellow spot and at the angle of the tail is a blue rufous one.
- Ajax*. Wings tailed, both surfaces alike, brown with yellow bands; lower-ones beneath with red streaks and fulvous at the angle of the tail.
Inhabits *North America*. *Cramer Inf.* 9. tab. 98. fig. G. H.
- Agamemnon* Wings tailed black spotted with green; lower-ones with 3 rufous lunules beneath.
Inhabits *Asia*. *Cramer Inf.* 9. tab. 106. fig. C. D.
- Orestes*, Wings slightly tailed, above black beneath yellowish, all of them with a snowy disk and 2 black bands.
Inhabits *Africa*. In the museum of Mr. *Francillon*.
All the *wings* white with a black border and 2 bands; the fore-margin with 6 white bands and on the lower-ones a line of black dots; lower surface the same but the colour is yellowish instead of black.
- Pyllades*. Wings indented snowy with a black border dotted with white; angle of the tail with a rufous eye.
Inhabits *Africa*. In the museum of Mr. *Francillon*.
Wings beneath yellowish dotted with white, the disk white; a red line from the base to the middle of the rib.
- Demoleus*. Wings indented black with yellow spots and bands, under-ones with a blue and rufous eye.
Inhabits *East India*. *Cram. Inf.* 20. tab. 231 fig. A. B.
Larva solitary glabrous, yellow-green with a testaceous head, 2 tentacula and 2-horned tail.
- Episus*. Wings indented brown spotted with yellow; lower-ones with a rufous spot at the angle of the tail.
Inhabits *China*. *Cramer Inf.* 20. tab. 232. fig. A. B.
- Leimidas*. Wings indented, both surfaces nearly alike, black spotted with green; lower-ones with a green disk.
Inhabits *Africa*. *Cramer Inf.* 1. tab. 9. fig. B. C.
Body black spotted with white: *abdomen* pale, brown on the back: *wings* paler beneath.

Tynderæus Wings indented black spotted with green; lower-ones varied beneath with green brown and red, the base dotted with black.

Inhabits—*Jones Fig. pict. 1. tab. 57.* middle-sized.

Thorax black with cinereous lines: *abdomen* beneath green: *upper-wings* beneath brown with green spots and marginal rufous ones: *wings* beneath brown at the base and dotted with black, then with a broad green band, next 2 rufous spots, the tip brown with a macular green band and a few red dots.

Antheus. Wings indented black barred and spotted with green; lower-ones variegated beneath, with 3 red lunules.

Inhabits *Amboina*. *Jones Fig. pict. 1. tab. 56.*

Upper-wings with a rufous eye at the angle of the tail: all of them beneath with a brown border pale bands and a streak behind of whitish dots, the disk whitish including in the under-ones a black lunule with an approximate smaller-one, angle of the tail with a black lunule and 5 blueish ones.

Nireus. Wings indented black with a green gilt band, beneath blackish.

Inhabits *India*. *Cramer Ins. 16. tab. 187. fig. A. B.*

Lower-wings with a macular white streak beneath.

Lacedemon. Wings indented black with whitish marginal lunules; lower-ones chestnut-brown with 7 black lunules beneath.

Inhabits *Malabar*. *Jones Fig. pict. 1. tab. 63.*

Body brown dotted with white: *under-wings* varied beneath with whitish and black.

Zenobia. Wings indented black with a common white band, and marginal spots; lower-ones beneath yellow at the base and striate with black.

Inhabits *Sierra Leona*. *Jones Fig. pict. 1. tab. 68.*

Cyncrta. Wings indented black with a common snowy band; lower-ones beneath yellow at the base dotted and striate with black.

Inhabits—*Jones Fig. pict. 1. tab. 87.*

Differs from the last in wanting the marginal spots and in having 3 black dots on the under surface of the lower-wings.

*Amphima-
chus*. Wings indented black with a shining blue-band; beneath white on the fore-part, cinereous behind.

Inhabits

Inhabits the *Indies*. *Sulz. Hist. Ins. tab. 14. fig. 2. 3.*

All the *wings* white from the base to the middle beneath with brown marks, under-ones with a whitish dot and 7 chefnut small ones with a white pupil.

Amphitricion Wings indented black with an unequal yellow band; lower-ones beneath with a stripe of yellow dots and blue lunules.

Inhabits *America*. *Cram. Inf. 1. tab. 7. fig. A. B.*

Lower-wings beneath with a stripe of 7 large round yellow spots and a streak of 7 blue lunules terminating at the angle of the tail in a yellow dot; the margin with yellow cavities.

Hippocoon. Wings indented black spotted with white, the common disk white.

Inhabits *Sierra Leona*. *Jones Fig. pict. 1. tab. 88.*

Head and *thorax* black speckled with white: *abdomen* white with 2 lines of black dots: *lower-wings* with 3 marginal white dots, beneath chefnut-brown with a white base and stripe of white dots.

Diffimilis. Wings indented with dilated veins, black with white arrow-shaped spots; lower-ones with marginal yellow spots beneath.

Inhabits *Asia*. *Cramer. Inf. 7. tab. 82. fig. C. D.*

Affimilis, Wings slightly scalloped, both surfaces alike, black with blueish-white dots; lower-ones with scarlet dots.

Inhabits *China*. *Cramer Inf. 13. tab. 154. fig. A.*

Satyri.

Hyppisyle. Wings indented yellow varied with black and radiate at the tip; lower-ones with 7 red dots

Esp. Pap. tab. 15. fig. 1. tab. 53. fig. A.

Inhabits *Southern Europe*. On the *Aristolochia Clematitis*.

Larva yellow dotted with black and armed with fleshy verticillate red spines tipped with black: *pupa* pale with an obtuse head.

Trapejus. Wings entire fulvous, all of them with 4 blind eyes.

Inhabits *Russia* *Cram Pap. 32. tab. 375. fig. E. F.*

Wings edged with brown, with 4 or 5 black eyes; upper-ones beneath pale fulvous, lower-ones beneath cinereous with a brown band and margin.

Fortunatus. Wings entire brown; lower-ones marbled with white and black beneath.

Inhabits *Lapland*; size of *P. hyperanthi*.

Body black; antennae yellowish: upper-wings with both sides alike.

Glytus. Wings very entire brown: upper-pair with a yellow band and subtripupillate eye, lower-ones with 5 eyes.
Inhabits *Africa*. *Cramer. Inf. 8. tab. 86. fig. C. D.*

Hyperbius. Wings very entire brown with a rufous patch; upper-ones with a bipupillate eye, lower-ones blind beneath.
Inhabits *Africa*. *Cramer. Pap. 14. tab. 168. fig. C.D.E F.*

Cassus. Wings very entire brown: upper-pair with a double eye, lower-ones with 3 eyes.
Inhabits *Africa*. *Cramer Pap. 27. tab. 314. fig. C. D.*
This is probably a mere variety of the last.

Florimel. Wings very entire brown; under-surface of the upper-ones with 2 eyes, of the lower-ones with 7.
Inhabits—*Jones Fig. pict. tab. 50. fig. 2.*
Upper-wings with 2 blind eyes, under-ones immaculate; under-surface paler with a common brown band in the middle and behind this 2 black eyes with yellow iris and white pupil on the upper-pair, on the lower-ones 7 eyes.

Philocles. Wings very entire brown; upper-pair with a tripupillate eye, lower-ones with transverse waved lines.
Inhabits *India*.
Cramer. tab. 184. fig. D. E. F. Clerk. tab. 45. fig. 3.
Eye on the upper-wings tripupillate each side.

Renatus. Wings very entire, both sides alike, black with a common white band; upper-pair with a tripupillate eye.
Inhabits *Surinam*. *Cramer Pap. 28. tab. 326. fig. B.*
Wings brown at the base and black at the tip, the eye black with 3 white dots: resembles the last.

Craesus. Wings very entire blue with numerous black streaks; upper-ones with a tripupillate spot above.
Inhabits *Surinam*.
Upper-wings with a black spot in the middle, containing 3 white dots, beneath shining blue with a black patch and tip: lower-wings blue both sides with numerous black waved streaks.

- Hyperanthus*. Wings entire brown; under-side of the upper-pair with 3 eyes, the lower-ones with 5, placed 2. 3.
Inhabits *Europe*. *Donovan*. viii. tab. 271. *Levin*. tab. 20.
All the wings above edged with yellow with sometimes a yellow dot or two; beneath chestnut-brown edged with yellow, the eyes black with a yellow ring and white pupil.
- Clerimon*. Wings slightly scalloped; upper-pair with a black eye above, all of them with 4 minute eyes beneath.
Inhabits—*Jones Fig. pict. 4. tab. 15 fig. 1.*
Upper-wings with a large eye above, the iris yellow pupil white: lower-wings with 2 small eyes, the pupil white.
- Zachæus*. Wings entire brown with 2 eyes above; under-side of the upper-pair with 4, of the lower-ones with 6 eyes.
Inhabits—*Jones Fig. pict. 4. tab. 15. fig. 2.*
All the eyes with a white pupil.
- Ethus*. Wings very entire brown; upper-pair with a bipupillate eye; lower-ones with 3 eyes above, beneath black with a white dot in the middle.
Inhabits *Lapland*, on the highest mountains.
Hind-margin of all the wings with cinereous dots: upper-wings with 3 eyes, the first with 2 small pupils the others blind, beneath with 2 eyes the first with 2 pupils the other blind.
- Oedippus*. Wings very entire, above black immaculate, beneath brown with about 3 eyes on the upper and 5 on the lower-ones.
Inhabits *Russia*; size of *P. Hyperanthus*.
Antennae annulate with white and black, the club ferruginous: under-wings with 5 eyes beneath, the pupil silvery, and marked with a marginal silvery streak.
- Zangis*. Wings very entire brown; all of them beneath with a single eye, that on the upper-ones bipupillate.
Inhabits *Carolina*. *Cramer Pap. 28. tab. 325. fig. A. B.*
Upper-wings beneath with darker streaks and a large black eye with a yellow ring and double snowy pupil: lower-wings sub-ferruginous at the tip with a black dot at the angle of the tail; beneath brown with 2 waved streaks, the tip paler waved with brown and with 4 snowy specks, a small black eye with a yellow ring and white marginal pupil.
- Placien*. Wings entire, above brown immaculate; lower-ones beneath with yellow streaks and 3 oblong eyes.
In the British Museum.

Areolatus. Wings very entire, above brown immaculate; beneath with a common testaceous streak margin and circles, on the upper-pair 4 eyes, on the lower-ones 6 the middle-ones elongated.

Inhabits *Georgia*. *Smith's lepidopt. Inf. of Georgia.*

This is probably the same or a mere variety of *P. Canthus*.

Sosybius. Wings very entire, above brown immaculate; under-surface of the upper ones with 5 eyes, of the lower-ones with 6, the middle-ones blind.

Inhabits—*Jones Fig. pict. 6. tab. 56. fig. 2.* Small.

All the wings beneath paler with 2 common ferruginous streaks and a lunule between them.

Perseus. Wings very entire brown; under-side of the upper-ones with 3 ocellar spots, of the lower-ones with 7.

Inhabits *New Holland*. *Jones Fig. pict. 6. tab. 49. fig. 1.*

Body brown immaculate: upper-wings sometimes immaculate, sometimes a small eye with a white pupil before the tip: all of them brown at the base and paler at the tip on the under-side.

Martius. Wings very entire black; under-side of the upper-pair with 4, of the lower-ones with 7 ocellar spots.

Inhabits—*Jones. Fig. Pict. 6. tab. 49. fig. 1.*

Terminus. Wings entire brown with a rufous patch, upper-pair with a single eye above, lower-ones with 4.

Inhabits *New Holland*. In the museum of Sir JOSEPH BANKS.

Pupil of the eye on the upper wings white, beneath brown at the base, the tip pale with 5 nearly obsolete eyes and a brown streak before the margin: eyes on the lower-wings black with ferruginous iris and white pupil, beneath brown at the base with a darker streak and paler tip, 6 eyes placed 2,3,6. before the margin a waved brown streak.

Sirius. Wings very entire dull rufous; upper-pair with 2 eyes above, lower-ones with 4.

Inhabits *New Holland*. In the museum of Sir Joseph Banks.

Upper-wings brownish at the tip with 2 ferruginous eyes, the iris brown surrounded with a black ring, the pupil white; beneath glaucous with a ferruginous streak and 2 curves, the tip darker with 6 eyes: lower-wings with a brown margin and darker streaks; beneath glaucous at the base with 2 ferruginous curves and streak in the middle, the tip darker with 7 eyes.

Cornelius. Wings very entire dull cinereous; lower-ones with 4 approximate eyes.

Inhabits

Inhabits—*Jones Fig. pict. 6. tab. 49. fig. 2.*

Wings beneath a little paler waved with brown, lower-ones with 4 marginal approximate black eyes with a silvery pupil.

Davus. Wings very entire fulvous; upper-pair with an eye and white bands beneath, lower-ones with 6 eyes.

Inhabits *Germany.* *Esp. Pap. tab. 54. fig. 3.*

Male with the eyes above obsolete.

* *Pamphilus* Wings very entire yellow; under-side of the upper-ones with a single eye, of the lower-ones cinereous with a band and 4 obliterated eyes.

Inhabits *Europe.* *Ernst. tab. 29. fig. 56. Lervin. tab. 23. fig. 3.4.*

Larva greenish with a whitish dorsal line, tail 2-toothed: pupa green.

* *Arcanius.* Wings very entire ferruginous; under surface of the upper-ones with a single eye, of the lower-ones with 5 the first separated by a band.

Inhabits *Europe.* *Ernst. Inf. Europ. tab. 29. fig. 57.*

Larva green with darker dorsal lines and lateral yellow ones, tail 2-toothed.

Leander. Wings very entire brownish; lower-pair beneath cinereous with fulvous tip and 6 eyes

Inhabits *Southern Europe.* *Esp. Pap. tab. 89. fig. 5.*

Wings of the male brown, female upper-ones fulvous lower ones brown with an eye or two or none in the upper and 4 or 5 in the lower-ones.

Sabæus. Wings entire brown; upper-pair with 4 blind eyes above and 6 pupillate ones beneath.

Inhabits *Europe.* *Esp. Pap. tab. 22. fig. 4.*

Lower-wings fulvous at the tip with an indented white band, then 6 black eyes with a white pupil and lastly a silvery streak.

* *Hero.* Wings very entire fulvous; under-surface of the upper-pair with a single eye, of the lower-ones with 6.

Inhabits *Europe.* *Donovan. tab. 186. Lervin. tab. 23. fig. 5. 6.*

Wings with a few marginal spots above and a yellow band beneath before the eyes.

Arctous. Wings very entire brown; upper pair with a bipupillate eye both sides; lower-ones above nearly blind.

Inhabits *New Holland.* In the museum of Sir *Joseph Banks.*

Small brown, Upper-wings with a large black eye, the iris fer-

ruginous and double pupil white: *lower-wings* with a minute eye, beneath grey with a larger eye.

- Phryneus*. Wings entire above white, beneath brown with white veins and 5 eyes.
 Inhabits *Russia*. *Esp. Pap. tab. 89. fig. 3. 4.*
Body small white: *wings* with 5 eyes near the margin beneath, the pupil white.
- Hypheus*. Wings entire both sides alike, white with brown bands; upper-pair with a black eye, lower-ones brown.
 Inhabits *East India*. *Cramer Pap. 8. tab. 92. fig. 6.*
Wings with 4 brown bands, the last terminal, the eye on the upper-ones in the first band with a yellow iris.
- Baldus*. Wings very entire brown; upper-pair with an eye on each surface, the pupil double; lower-ones with 4 eyes above and 6 beneath.
 Inhabits *India*; small. In the museum of *Dr. Hunter*.
 All the *wings* with brown and cinereous waves beneath: eye on the upper-pair black with a ferruginous iris and double silvery pupil: *lower-wings* with 4 black eyes above, the iris ferruginous pupil silvery, beneath with 6 eyes in approximate pairs.
- Magus*. Wings very entire dull fulvous: upper-pair with an eye each side, the pupil double; lower-ones with 2 eyes above and 3 beneath.
 Inhabits—*Jones Fig. pict. 4. tab. 33. fig. 1.*
Body small brown: *upper-wings* brown on the hind-margin and before the margin a large black eye with a double white pupil, both sides nearly alike: *under-wings* variegated beneath.
- Dromus*. Wings very entire black; upper-pair with the disk rufous in which is a double eye.
 Inhabits *Italy*; small.
Lower-wings above immaculate beneath cinereous.
- Eumenus*. Wings very entire half brown; upper-ones with a black tripupillate eye on both surfaces.
 Inhabits *West India*. *Cramer Pap. 8. tab. 92. fig. F. G.*
Upper-wings blue on the inner margin, the tip with 3 darker bands, a large black eye with 3 white pupils in the middle: *lower-wings* blue, the inner margin brown with 3 black bands towards the tip: under-side of all brown at the base, the tip white with black bands and all of them with a black eye, that on the upper-pair tripupillate on the lower blind.

- Ephyrus.* Wings very entire blue with purple bands; upper-pair with an eye each side which is tripupillate beneath.
 Inhabits *Surinam*. *Cram. Pap. tab. 39. fig. E. F.*
Wings above blue with 4 purple bands at the tip, the eye in the middle of the upper-ones with a white pupil: beneath brown with yellow bands, the eye on the upper-ones with 3 white pupils.
- Tullius.* Wings very entire dull cinereous; upper-pair brown at the tip with a tripupillate eye each side.
 Inhabits *Cayenne*: small.
Upper-wings with wavy yellowish streaks at the tip and a large black eye with 3 blue pupils: *lower-wings* with yellowish blotches and brown streaks at the tip.
- Actæa.* Wings scalloped above brown; upper-pair with 2 eyes and 2 white dots; lower-ones marbled beneath.
 Inhabits *Russia*. *Esp. Pap. tab. 85. fig. 4.*
Lower-wings with a black dot or two at the angle of the tail beneath.
- Fidia.* Wings indented above brown; upper-pair with 2 eyes and 2 white dots, lower-ones with an angular black streak beneath.
 Inhabits *Africa*. *Esp. Pap. 1. tab. 49. fig. 3.*
 Eyes on the *upper-wings* at the outer margin with the white dots between them: *lower-wings* varied with brown and white with an angular black streak.
- Ferula.* Wings scalloped black; under-side of the upper-pair with 2 eyes, of the lower-ones with cinereous bands.
 Inhabits *Italy*; size of *P. actæa*.
Male with the wings above immaculate, *female* with 2 small black eyes the pupil white and 2 minute white dots between on the upper-ones, a black ocellar spot on the lower-ones: beneath all of them blackish with 2 black eyes the pupil white and iris ferruginous and 2 white dots between them on the upper-ones.
- Cordula.* Wings indented brown; upper-pair with 2 eyes and 2 white dots both sides, lower-ones with 2 black dots.
 Inhabits *Italy*; size of the former-ones.
 All the *wings* with an obsolete rufous band; upper-ones beneath with a ferruginous disk, lower-ones grey beneath with 2 cinereous bands and 2 black dots at the angle of the tail.

- Fauna.* Wings indented above brown ; upper-pair with 2 eyes and 2 white dots, lower-ones grey beneath.
 Inhabits *Germany.* *Epp. Pap. tab. 63. fig. 1.*
Upper-wings with 2 eyes, the iris yellowish, sometimes blind, with 2 dots between them ; *lower wings* with an obsolete white dot or two and a distinct black one.
- Feronia.* Wings indented marbled with blue brown and white on the upper-surface, all of them with 6 eyes.
 Inhabits *East India.* *Cramer. Inf. 16. tab. 192. fig. E. F.*
 The eyes have a white pupil above and are blind beneath.
- Mæra.* Wings indented brown ; upper-pair with an eye including a lesser-one both sides, lower-ones with 3 eyes above and 6 beneath.
 Inhabits *Europe.* *Epp. Pap. tab. 6 fig. 2.*
Larva a little hairy greenish with a forked tail : *pupa* greenish obtusely bifid, the sides spinous.
 Is subject to a few inconsiderable varieties.
- Rexlana.* Wings indented brown, above blind ; lower-ones waved beneath with 7 eyes, the inner-one with a double pupil.
 Inhabits *Asia.* *Cramer. 14. tab. 161. fig. C. D. E. F.*
Upper-wings above brown with a fulvous disk and yellow spots, beneath with a black eye, the pupil white : *lower-wings* with 3 eyes the pupil fulvous, beneath grey waved with brown with 7 black eyes, the iris yellow pupil white, the last with a double pupil.
- Proserpina.* Wings indented fulvous : upper-pair black at the tip with yellow dots ; lower-ones marked beneath with 4 eyes, the middle ones blind.
 In the Museum of *Sr. Jos. Banks.* *Jones tab. 24. fig. 1.*
Lower-wings with an interrupted black marginal streak : lower-side of the *upper wings* yellow at the base spotted with black, the tip black spotted with white ; *lower-wings* beneath marbled with 4 eyes, 1 fulvous with a black iris, 2. 3. blind, 4 black with fulvous iris and black pupil.
- Lycæon.* Wings indented : upper-pair brown and spotted with yellow and white ; lower-ones ferruginous with 6 blind eyes beneath variegated with 8 eyes,
 Inhabits—*Jones Fig. pict. 4. tab. 17. fig. 1.*
Body brown ; sides of the *abdomen* fulvous : *upper-wings* with a blind black eye the iris rufous ; beneath yellow at the base spotted with brown, the tip brown with 3 white spots and 2 black eyes with yellow iris, the fore-one with a white pupil the other blind, besides these a yellow marginal streak : *lower-wings* dusky at the base with a line of 5 yellow spots, the tip rufous

rufous with 6 eyes; beneath varied with yellow and brown,
8 black eyes with yellow iris and blue pupil.

- Alope.* Wings indented brown: upper-pair with a yellow band each side and 2 eyes; lower-ones with a single eye above and 6 beneath.
Inhabits *India*. *Jones Fig. pict. 4. tab. 12. fig. 1.*
Both surfaces of the *upper-wings* alike with 2 black eyes in the band, the pupil white: *lower-wings* beneath dusky speckled with brown, the eyes with a white pupil.
- Clueria.* Wings indented brown; lower-ones with a blue band in which are 5 black eyes, a brown band beneath with 5 eyes.
Inhabits——— *Jones Fig. pict. 4. tab. 9. fig. 2.*
Wings brown with 2 darker streaks, beneath pale ash with a brown streak at the base, towards the margin a broad brown band in which the eyes are placed.
- Laches.* Wings indented brown with a blue band beneath; upper-pair with 5 eyes, lower-ones with 6.
Inhabits *Guiana*. *Jones Fig. pict. 3. tab. 81. fig. 2.*
Wings immaculate above, beneath with a broad blue band in which are placed the eyes.
- Herse.* Wings indented rusty-brown; upper-pair dotted with white, lower-ones with 7 blind eyes each side.
Inhabits——— *Jones Fig. pict. 4. tab. 7. fig. 2.*
Body rusty-brown: *upper-wings* with a band of 6 white spots behind the middle and 4 white dots at the tip, beneath paler: *under-wings* with 7 black eyes with ferruginous iris, 2 and 3 with a ferruginous pupil the rest blind; beneath paler with 7 blue eyes the iris yellow with a black ring.
- Dejanira.* Wings indented brown; upper-pair with 5 eyes each side, lower-ones with 6 and a white scalloped band.
Inhabits *Germany*. *Esf. Pap. 1. tab. 9. fig. 2.*
Larva hairy green with pale lines, the tail bifid.
- Pegala.* Wings indented brown; upper-pair with a rufous band and single eye, lower-ones with an eye above and 6 beneath.
Inhabits *America*. In the Museum of Dr. Hunter.
Upper-wings with a single eye, the pupil white: *lower wings* above brown with a black eye, the iris fulvous pupil white; beneath variegated with 6 black eyes, the iris ferruginous pupil white, 3 of them connected at the thinner margin the fifth very large.
Varies in the number and figure of the eyes.

- Briséis.* Wings indented brown with a green gloss and white band; upper-ones with 2 eyes, lower-ones blind.
Inhabits *Germany.* *Esp. Pap.* 1. tab. 26. fig. 1. 2.
The eyes are sometimes wanting on the upper-surface.
- Manto.* Wings slightly indented brown with 4 ocellar dots on the upper and 3 on the lower-wings, under-surface of the latter cinereous with brown waves.
Inhabits *Austria*; middle-sized.
Antennae above brown beneath whitish, the club ferruginous: wings above brown with a blue gloss, the eyes with a ferruginous disk beneath, lower-ones beneath cinereous with 2 waved brown streaks and 2 dots.
- Autonoe.* Wings indented brown subfasciate with yellow and 2 pupillate eyes; upper-ones brown at the base beneath.
Inhabits *Russia.* *Jones Fig. pict.* 4. tab. 47. fig. 2.
Wings above brown, upper-pair with a macular yellowish band, lower-ones with a whitish streak: all of them with 2 black eyes the pupil white: upper-wings beneath with a broad yellow band and 2 eyes, the first of which is pupillate:
- Alcyone.* Wings indented brown with yellow bands; upper-pair with 2 eyes each side, lower-ones marbled beneath.
Inhabits *Russia.* *Esp. Pap.* tab. 84. fig. 4.
Band on the wings large and ending in a black streak: upper-wings yellowish beneath with black streaks.
- **Semele.* Wings indented brown with a macular fulvous marginal band in which are 2 eyes; upper-pair with a fulvous disk at the base beneath.
Inhabits *Europe.* *Donovan.* tab. 259. *Lewin.* tab. 17.
Eyes on the upper-wings black with a white pupil, the hinder one doubled on the upper surface: under-wings with a small eye near the inner margin, beneath marbled and darker on the inner base.
- Aethusa.* Wings indented above brown with a macular rufous band; upper-pair with a single eye on each surface.
Inhabits *Germany.* *Esp. Pap.* tab. 69. fig. 3. 4.
Upper-wings with a large black eye the pupil snowy, beneath ferruginous on the disk in which is a large pupillate eye; lower-wings beneath brown at the base and grey at the tip.
- Hermione.* Wings indented brown with a pale band; upper-pair with 2 eyes above and one beneath.
Inhabits *France and Germany.* *Schæff. Icon.* tab. 274. f. 5. 6.
Lower-wings with a small eye sometimes each side: larva grey with black dorsal line and bifid tail.

- Circe.* Wings indented brown with a white band on both surfaces; upper-pair with a single eye.
 Inhabits *Europe*. *Esp. Pap. tab. 39. fig. 2.*
Larva naked with brown white and yellow lines, tail bifid.
- **Phædra.* Wings indented brown, both sides alike; upper-pair with 2 violet eyes.
 Inhabits *Europe*. *Esp. Pap. tab. 40. fig. 1. 2.*
Larva grey with 2 dorsal lines of black spots, tail bifid.
- Periboea.* Wings indented brown; upper-pair with an obsolete eye, a yellowish streak beneath: lower-ones with ocellar black dots.
 Inhabits *Surinam*; middle-sized.
Upper-wings with a large black eye at the inner-margin, the iris yellowish pupil white, beneath grey with a yellowish streak and 2 very minute white dots: *lower-wings* with a small eye and streaked margin, beneath grey with a yellowish streak and 5—6 small black ocellar dots.
- Delila?* Wings scalloped brown: upper-pair with a small eye; under-side of the upper-ones with 2 eyes, of the lower-ones with 6, the fourth larger.
 Inhabits *Guinea*; middle-sized.
Antennae brown, the club ferruginous at the base and tip: all the *wings* cinereous beneath with a common white band in the middle, lower-ones with 6 eyes 3. 3. approximate.
- Ligea.* Wings indented brown with a rufous band; upper-pair with 4 eyes lower with 3 on each surface; all spotted with white beneath
 Inhabits *Europe*. *Esp. Pap. tab. 42. fig. 1. 2.*
Larva hairy green with a black dorsal line, head yellow, tail bifid.
- Bathysba.* Wings scalloped brown with the disk ferruginous; upper-pair with a bipupillate eye both sides, lower-ones beneath brown with a white band.
 Inhabits *Barbory*; size of the last.
Antennæ brown annulate with white: *lower-wings* with 3 or 4 black dots with white pupil on the disk, beneath with a few eyes behind the band.
- Medusa.* Wings slightly scalloped brown, both surfaces alike, all of them with a yellow macular band and about 4 eyes.
 Inhabits *Austria*. *Esp. Pap. 1. tab. 7. fig. 2.*

All the *wings* with a macular band before the margin and in this a few eyes with black iris and white pupil.

Epipbron. Wings entire black with a red band; upper-pair with 2 eyes above and 3 beneath, lower-ones with 3 above and 5 beneath.

Inhabits *Germany*. *Knoch. Beytr.* 3. tab. 6. fig. 1.

Body black: *antennæ* beneath white: band on the *upper-wings* very much abbreviated, the number of eyes various.

Blandina. Wings indented brown with a rufous ocellate band; lower-ones brown beneath with a cinereous band.

Inhabits *Germany*. *Esp.* 25. fig. 3. 63. fig. 1.

Griela. Wings slightly indented black; upper-pair with 4 connected spots each side.

Inhabits the highest mountains of *Lapland*.

All the *wings* above shining black; upper-ones with 4 small connected blind eyes, beneath the same: lower-ones beneath pale ash at the tip with a waved black streak or two.

Afra. Wings entire brown with 6 eyes; lower-ones covered with cinereous down.

Inhabits *Russia*. *Esp. Pap. tab.* 82. fig. 4. 5.

Club of the *antennæ* hollowed beneath: lower surface of the *upper-wings* black with a ferruginous patch at the base and 5 or 6 eyes, of the *lower-wings* brown with cinereous veins and 6 or 7 eyes.

Erina. Wings indented brown with a macular fulvous band and ocellar black dots.

Inhabits *Germany*. *Esp. Pap. tab.* 70. fig. 2. 3.

Eyes on the *wings* blind; lower-ones cinereous beneath with a darker band.

Arachne. Wings entire black; upper-pair with a rufous band each side containing 2 eyes: lower-ones with an indented cinereous band beneath.

Inhabits *Austria*; size of the last.

All the *wings* black with a blue gloss: *lower-wings* with sometimes an ocellate dot or two above: *antennæ* above black beneath white.

Pyrrha. Wings entire brown with a red band which is dotted with black on upper-pair and macular on the lower-ones.

Inhabits *Austria*; something less than *P. Ligea*.

Antennæ above black beneath white.

Cassiope.

- Cassiope.* Wings entire brown with a rufous band containing 3 ocellar black spots; lower-ones with only dots beneath.
 Inhabits *Austria*; less than the last: black.
Antennæ above black beneath pale: *lower-wings* with 3 dots beneath but without the band.
- Arete.* Wings entire brown with a rufous band: lower-ones with a stripe of white dots each side.
 Inhabits mountainous parts of *Austria*.
Body black: *abdomen* beneath grey: *upper-wings* with about 3 ocellar dots in the band above, the disk beneath ferruginous with 3 ocellar white dots: *lower-wings* with 4 distinct white dots in the band above, beneath greenish-grey with a line of 7 white dots.
- Salome.* Upper-wings brown with a rufous band containing a single eye; lower-wings with 3 eyes, beneath an indented white streak and 5 eyes.
 Inhabits *Gibraltar*. *Esp. Pap. tab. 67 fig. 4.*
Lower-wings beneath black with a white streak behind which are 5 small eyes, the pupil white.
- **Galathea.* Wings indented varied with brown and yellowish-white; under-surface of the upper-ones with a single eye, of the lower-ones with 5.
 Inhabits *Europe*. *Donovan. tab. 258. Lewin. tab. 28.*
 Under-side of the *upper-wings* with a single eye near the outer margin, of the *lower-wings* with 5, the last doubled.
Larva depressed yellowish with a dark line down the back and sides: *pupa* blueish with 2 rosy prickles at the tail.
- Arge.* Wings indented white streaked with black; upper-pair with a single eye, lower-ones with 5.
 Inhabits *Russia*. *Esp. Pap. tab. 84. fig. 1. 2.*
Upper-wings with a small eye which is blind above: *lower-wings* with 5 pupillate ones each side.
- Liria.* Wings slightly indented cinereous with brown waves; upper-pair with a white band, lower-ones with 4 ocellar white dots.
 Inhabits *India*. *Jones Fig. pict. 2. tab. 23. fig. 2*
Lower-wings with 4 white dots annulate with brown: all the wings yellowish beneath.
- Pilojella.* Wings indented brown with a yellow disk; upper-pair with a black eye and double pupil each side, lower-ones with snowy ocellar spots beneath.

Inhabits *Germany*. *Sepp. Inf. 2. 21. tab. 3.*

Larva greenish with white lines, head brown.

Ida. Wings slightly indented brown with a yellow disk; upper-pair with a black bipupillate eye each side, lower-ones varied with grey beneath.

Inhabits *Europe*. *Schæff. Icon. tab. 213. fig. 1. 2.*

Melufina. Wings indented brown with a white disk; lower-surface whitish with 2 eyes on the upper-pair and 7 on the lower-ones.

Inhabits *Sierra Leona*: small.

Antennæ above black beneath cinereous.

Cadma. Wings indented fulvous; lower-ones beneath white on the disk with 2 eyes, the pupil double blue.

Inhabits *America*. *Drury. Inf. 2, tab. 18. fig. 1. 2.*

Tip of the *upper-wings* black with fulvous spots, a white spot at the tip beneath; *lower-wings* with an obsolete brown marginal spot, the white disk inclosed by a ferruginous streak each side, the iris of the eye brown.

**Janira.* Wings indented brown; upper-pair beneath yellow with a single eye each side, lower-ones with 3 dots beneath. (*Male.*)

Wings indented brown; upper pair with a yellow patch including a single eye each side. (*Female.*)

Inhabits *Europe*, *Lewin. tab. 18. Albin. tab. 53.*

Lower-wings brownish at the base with a few black streaks, the middle white and bordered with pale yellow.

Larva hairy green with a white lateral line, the tail bifid: *pupa* pale with black dots.

Clymene. Wings indented brown with a ferruginous patch; lower-ones with about 3 eyes above and 7 beneath.

Inhabits *Russia*. *Esp. 85. fig. 1. 2. . 3.*

Upper-wings with an eye each side which is pupillate beneath; *lower-wings* with 4 fulvous spots including 2 or 3 blind eyes.

Miriam. Wings indented brown, beneath cinereous with 2 eyes on the upper-pair and 7 on the lower.

Inhabits *India*. *Jones. tab. 32. fig. 2. Cramer. tab. 204. C. D.*

Wings cinereous beneath with black waves, the eyes black with yellow iris and black pupil.

Eudora. Wings indented brown; upper-pair with a ferruginous disk each side, containing a single eye in the male and 2 in the female.

Inhabits *Germany.* *Esp. Pap.* 1 tab. 69 fig. 1. 2.

Lower-wings beneath dull grey immaculate.

Tabitha. Wings indented black; upper-pair with a single eye; all of them paler beneath with a streak of ocellate dots.

Inhabits *East India.*

Upper wings with a small black eye, the pupil white.

Tisiphone. Wings indented brown; upper-pair with 2 eyes each side, lower-ones with 6, the pupil of all violet.

Inhabits *Germany.* *Naturf.* 6, 18. tab. 1. fig. 1, 2.

Upper-wings with a short yellow band; lower-surface of all of them alike, the eyes with a yellow iris.

Ilalyma. Wings indented, above brown immaculate, beneath with yellow bands; upper-pair with 5 eyes lower with 7.

Inhabits *India.* *Jones Fig. pict.* 6. tab. 51. fig. 2.

Rumina. Wings indented variegated; upper-pair with 6 red dots above, lower-ones with 4

Inhabits *Southern Europe.* *Esp. tab.* 72. fig. 4.

Flegia. Wings indented, both sides alike, fulvous with numerous brown dots.

Inhabits *Cayenne.* *Wings* paler beneath.

Allica. Wings indented, both surfaces nearly alike, obscure fulvous with numerous black spots each including a white one.

Inhabits *Siam.* *Cramer Inf.* 44. tab. 280. fig. E. F.

Antennæ black annulate with white, the club black with a fulvous tip: *body* brown.

Melicerta. Wings indented, both sides alike, black dotted with white; upper-pair with a common white interrupted band.

Inhabits *Africa.* *Cram. tab.* 296. fig. E. F. t. 327. f. A.B.&E.F.

Antennæ black, the club ferruginous at the tip: *thorax* black dotted with white: *lower-wings* dotted with white at the margin.

Aceris. Wings indented with black bands; above black beneath fulvous.

Inhabits *Europe* and *Asia.* *Esp. tab.* 82. fig. 1. *tab.* 81. fig. 3, 4.

- Aceste.* Wings scalloped; upper-pair black with a yellow band and base, lower-ones yellow with brown bands beneath.
 Inhabits *India.* *Cramer Inf.* 14. *tab.* 121. *fig.* E. F.
Lower-wings fulvous dotted at the margin.
- Sulpitia.* Wings indented, black with a common white band, lower-ones yellowish beneath with black dots at the base, a white band in the middle and dots at the tip.
 Inhabits *India.* *Jones Fig. pict.* 5. *tab.* 30. *fig.* 1.
Upper-wings the same colour beneath: *lower-wings* beneath yellow at the base dotted with black, then white, afterwards fulvous with black streaks and a row of white dots.
- Sibilla.* Wings indented, above brown, beneath ferruginous spotted with black and a macular white band on both surfaces
 Inhabits *Europe.* *Cramer Inf.* 3. *tab.* 114. *fig.* C. D
Lar-va green with red head and spines: *pupa* green with gold spots, 2-horned before.
- * *Camilla.* Wings indented dark-brown with a white band and dots each side; lower-ones silvery blue at the base.
 Inhabits *Europe.* *Donovan.* viii. *tab.* 244. *Lewin.* *tab.* 8.
 Very much resembles the last. *Lower wings* with sometimes 2 ferruginous eyes at the angle of the tail, beneath varied with brown and ferruginous and a line of black dots behind the white band.
- Lucilla.* Wings indented, above brown beneath chestnut-brown, with a macular white band both sides.
 Inhabits *Anstria.* *Esp. Pap. tab.* 59. *fig.* 1. *P. camilla,*
Upper-wings with a white interrupted line from the base to the band: *lower-wings* with a white patch at the base and a line of white lunules behind the band.
- Cænobia.* Wings indented black; upper-pair with a white streak and spots; lower-ones with a white band above, beneath white with 4 brown bands and marginal spots.
 Inhabits *India.* *Jones Fig. pict.* 5. *tab.* 27. *fig.* 2.
Body black: *abdomen* white at the base: *upper-wings* with a longitudinal white streak and numerous spots and lines, beneath chestnut-brown with the same marks: *lower-wings* with a white streak band in the middle and 2 marginal curves.
- Herfilla.* Wings indented white with a fulvous border; lower-ones fulvous beneath 2 white bands and a dot in the middle.

Inhabits *America*. *Cramer. Inf.* 18. *tab.* 213. *fig.* F. G.

Upper-wings brownish at the base, the tip fulvous with a black indented margin, beneath testaceous with a large white spot on the disk and a few dots towards the tip: *lower-wings* edged with black with 7 obsolete white spots behind the last band, the edge black.

Sophia. Wings indented varied with yellow fulvous and black, the margin brown dotted with black with white lunules on the lower-ones.

Inhabits *India*. *Jones Fig. pict.* 4. *tab.* 91. *fig.* 2.

Body small brown: *abdomen* with yellow dorsal lines: *upper-wings* rufous at the base with 2 transverse yellow spots and edged with black, then yellow, then brown dotted with black and spotted with yellow: *lower-wings* brown at the base, yellow in the middle, the tip brown with 2 streaks of black dots and one of white lunules.

Doriclea. Wings scalloped brown; lower-ones with a fulvous band dotted with black; and a black dot beneath.

Inhabits *India*. *Jones Fig. pict.* 4. *tab.* 71. *fig.* 1.

Body brown the sides fulvous; *upper-wings* with darker spots in the middle and streak behind: all variegated beneath.

Auga. Wings indented brown; upper-pair with 3 green bands; lower-ones with a fulvous band dotted with black, a black dot at the base beneath.

Inhabits *India*. *Jones Fig. pict.* 4. *tab.* 71. *fig.* 2.

Wings variegated beneath with ferruginous and blue.

Ethesia. Wings indented black with a yellow disk; beneath varied with brown and yellow, the base dotted with black.

Inhabits *Africa*. *Jones Fig. pict.* 4. *tab.* 66. *fig.* 1.

Body black: all the *wings* brown at the tip beneath.

Narva. Wings indented black with a line of white dots behind; upper-pair with yellow spots, lower-ones with a yellow disk.

Inhabits *Africa*. *Jones Fig. pict.* 4. *tab.* 67. *fig.* 1.

Body black dotted with white: *lower-wings* with a black dot or two on the yellow disk, beneath a yellow macular streak behind the white one.

Mardania. Wings indented fulvous; upper pair black at the tip with a white band; lower-ones with 4 ocellar yellow spots.

Inhabits *India*. *Jones Fig. pict.* 4. *tab.* 70. *fig.* 1.

Body brown: *upper-wings* spotted with brown: *lower-wings* with 4 oblong yellow spots with a black pupil and an obsolete brown streak near the margin: all the *wings* beneath greenish varied with brown, a brown band in the middle and a line of brown dots towards the margin.

Cocalia. Wings indented brown; upper-pair spotted with black and yellow; all of them grey beneath with a line of white dots.

Inhabits *India.* *Jones Fig pict.* 4. *tab.* 70. *fig.* 2.

Upper-wings with a line of obscure ocellar spots towards the margin: *under-wings* with a line of ocellar spots near the thinner edge and a black streak.

* *Lucina.* Wings indented brown with testaceous spots; lower-ones with 2 rows of whitish spots beneath.

Inhabits *Europe.* *Donovan. tab.* 242. *fig.* 2. *Lewin. t.* 15. *f.* 3-4.

Antennae ferruginous at the tip: *lower-wings* with a ferruginous band beneath near the margin including black dots.

* *Cinxia.* Wings indented fulvous with black spots; lower-ones with 3 whitish bands dotted with black beneath.

Inhabits *Europe.* *Donovan. tab.* 241. *fig.* 1. *Lewin. t.* 14. *f.* 3-4.

Upper-wings whitish at the tip beneath.

Larva spinous black with a lateral line of white dots, *head* and *legs* red: *pupa* pale brown with rows of fulvous dots.

Phabe. Wings indented varied with black and fulvous; lower-ones beneath yellowish waved with black, the base with 4 black spots, and 2 fulvous bands the hinder-one composed of spots.

Inhabits *Europe.* *Esp. Pap. tab.* 25. *fig.* 2.

Antennae annulate with white and black, the club ferruginous with a brown ring: *upper wings* blackish with numerous black spots, the margin with white spots; beneath fulvous spotted with black, the tip yellow waved with black: *pupa* chesnut spotted with white.

Didyma. Wings indented fulvous (cinereous) spotted with black; lower-ones beneath yellow dotted with black, with 2 continued fulvous bands.

Inhabits *Russia.* *Esp. tab.* 41. *tab.* 61. *fig.* 1.

Sides of the abdomen dotted with black: first band on the *lower-wings* nearly doubled.

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Fesclis. Wings indented varied with fulvous and brown; lower-ones beneath white dotted with black, with 2 fulvous bands the lower composed of lunules.

Inhabits *Russia*. *Esp. Pap. tab. 88. fig. 3, 4.*

Aibulia. Wings scalloped fulvous dotted with black; lower-ones beneath white dotted with black, with 2 fulvous bands. Inhabits *Russia*. *Esp. Pap. tab. 88. fig. 5, 6.* very small.

Upper-wings beneath fulvous spotted with black, the tip white speckled with black: *lower-wings* white with numerous streaks of black dots and 2 fulvous bands, the first composed of 3 spots.

Hylla. Wings indented fulvous speckled with black; lower-ones brown at the base, beneath whitish

Inhabits the *East*. *Cramer Inj. 4. tab. 43. fig. B. C.*

Lower-wings brown at the base above and fulvous at the tip, beneath whitish at the base and fulvous at the tip.

* *Dictynna.* Wings indented black with fulvous spots; lower-ones beneath fulvous with white spots at the base and band in the middle, the tip with yellow lunules.

Inhabits *Europe*. *Lewin. tab. 14. fig. 5, 6. Esp. tab. 48. fig. 2.*

Cynthia. Wings indented black with fulvous and yellow bands: lower-ones beneath fulvous with yellow bands.

Inhabits *Austria*. *Esp. Pap. tab. 37. fig. 3.*

Upper-wings beneath pale fulvous with a few black waves: *lower-wings* with a streak of 5 dots between the last bands.

Male darker above with a few white spots.

Larva spinous black with 2 yellow dorsal lines and lateral yellow dots, *head* bluish: *pupa* pale spotted with black and yellow.

* *Materna.* Wings indented varied with fulvous and black; lower-ones beneath with yellow bands and waved black streaks, the base impunctured.

Inhabits *Europe*. *Willk. Pap. 58. tab. 2. a. 9.*

Larva spinous black dotted with white the spines yellowish: *pupa* greenish spotted with black.

Ardainna. Wings indented fulvous spotted with black: lower-ones beneath white with 2 fulvous bands, the lower speckled with black.

Inhabits *Russia*. *Esp. Pap. tab. 87. fig. 4.*

Margin of the wings black with a white fringe.

- Hecate.* Wings indented fulvous spotted with black; all of them with 2 streaks of black dots at the tip.
Inhabits *Austria*; middle-sized.
Margin of the *wings* black with fulvous lines and white fringe:
lower-wings beneath yellow at the base with a fulvous band, the margin black, then varied with fulvous and yellow with 2 streaks of black dots.
- * *Artemis.* Wings indented fulvous variegated with black; lower-ones with a streak of black dots each side.
Inhabits *Europe* *Lewis's English Butterflies. tab. 15.*
Wings above fulvous with black waves, beneath paler: lower-ones fulvous with 2 yellow bands.
- Amathusia.* Wings indented fulvous with black spots and a punctured streak; lower-ones variegated beneath, a black dot at the base and a streak of them at the tip.
Inhabits *Russia. Esp. Pap. tab. 88. fig. 1, 2.*
All the *wings* with a streak of distinct black dots.
- * *Dia.* Wings fulvous spotted with black; lower-ones beneath purple, the base with yellow and silvery spots and an obsolete silvery band in the middle.
Inhabits *Europe. Esp. tab. 16. fig. 4. Kleeman. tab. 40.*
Lower-wings with a row of 6 black dots towards the tip, the 2 middle-ones slightly pupillate.
Larva grey with alternate rows of white and ferruginous spines:
pupa yellowish variegated with black.
- Dryope.* Wings indented brown with rufous spots, the tip fulvous; beneath with rufous spots surrounded with a white ring.
Inhabits *Sierra Leona. Cramer. 7. tab. 78. fig. E. F.*
Wings beneath greenish at the base, the tip paler with a white waved streak.
- * *Levana.* Wings denticulate variegated; beneath reticulate; upper-ones with a few white spots above.
Inhabits *Europe. Esp. Pap. 1. tab. 15. fig. 2.*
Larva gregarious spinous black, legs rufous, head 2-spined.
- Prorsa.* Wings indented brown, beneath reticulate with white; upper-pair with a white interrupted band each side.
Inhabits *Europe. Esp. Pap. 1. tab. 15. fig. 3.*
Larva gregarious spinous variegated with fulvous and brown, head spinous: *pupa* toothed, above brown beneath palish.

- Pandora.* Wings indented fulvous spotted with black; lower-ones beneath scarlet immaculate.
 Inhabits — *Jones Fig. pict. 4. tab. 32. fig. 1.*
Body black with a sanguineous collar: *upper-wings* with a transverse scarlet spot in the middle: *lower-wings* with a streak of black dots at the tip.
- Pales.* Wings slightly indented fulvous with black base and spots; lower-ones beneath nut-brown and variegated with yellow and silvery.
 Inhabits *Austria. Esp. Pap. tab. 56. fig. 4. 5.*
Upper-wings beneath with a few black lunules and dots and 2 spots at the tip: *lower-wings* with silvery spots at the base, then nut-brown with a small silvery dot, then with a large sinuate obsolete yellow band in which are 2 silvery spots, afterwards nut-brown with a few silvery spots, and lastly varied with yellow on the margin with 6 or 7 silvery dots.
- Daphne.* Wings indented fulvous spotted with black: lower-ones beneath yellow with rufous veins, the tip silvery ferruginous.
 Inhabits *Austria*, on the *Rubus idæus*.
Lower-wings beneath nut-brown with a silvery gloss and a few ocellar brown dots.
Larva spinous brown with whitish lines, the spines yellow: *pupa* greenish with many teeth beneath.

Heliconii.

- Horta.* Wings entire red, upper-ones hyaline at the tip; lower-ones beneath whitish dotted with black.
 Inhabits *Africa. Cramer Pap. 25. tab. 298. fig. F. G.*
- Quirina.* Wings entire hyaline; disk of the upper-pair fulvous speckled with black.
 Inhabits *Madras. Drury Inf. 3. tab. 18.*
 All the *wings* white hyaline with black veins.
- Calliope.* Wings entire yellow; upper-pair with 3 black streaks, lower-ones with 3 black bands.
 Inhabits *India. Cramer Inf. 21. tab. 246. fig. 4.*
 Tip of the *upper-wings* black speckled with white.
- Melice.* Wings entire yellow; upper-pair black with 2 yellow lines and a band.
 Inhabits *India. Cramer. Inf. 13. tab. 153. fig. C. D.*
Lower-wings yellow edged behind with black.

- Mop/a.* Wings entire both surfaces alike, yellow and black, the margin dotted with white.
Inhabits *India*. *Cramer Inj.* 16. tab. 190. fig. D.
The white dots are sometimes only on the under-surface.
- Mneme.* Wings entire fulvous spotted with black; upper-pair black at the tip with yellow spots; lower-ones black with a fulvous band behind
Inhabits *India*. *Cramer. Inf.* 16. tab. 190. fig. C.
- Lycaste.* Wings entire fulvous tipped with black; upper-pair spotted with yellow.
Inhabits—*Jones Fig. pict. 2. tab. 7. fig. 1.*
Head black spotted with white: *thorax* fulvous: *abdomen* cinereous: *upper-wings* fulvous at the base with a black spot in the middle, then yellow; the tip black with a few yellow dots.
- Lysimnia.* Wings entire fulvous with a yellow band, the tip black with a white spot on the upper pair.
Inhabits—*Jones Fig. pict. 2. tab. 8.*
Upper-wings fulvous at the base with a longitudinal black line and lateral dot: all the *wings* beneath black at the hind-margin with white dots.
- Clarus.* Wings scalloped black spotted with yellow and a common testaceous base.
Inhabits *Surinam*. *Cram. t.* 364. f. C. D. *Jones 2. tab. 9.*
Antennae yellow: *head* and *thorax* black spotted with yellow: *abdomen* black with a yellow line down the sides: *upper-wings* with a large yellow spot in the middle and 3 black ones, the tip and margin black spotted with yellow: *lower-wings* with a black border, above with 2 yellow spots at the inner margin, beneath a line of white dots.
- Egena.* Wings entire; upper-pair fulvous with a yellow band, the tip black spotted with yellow and a row of white dots each side.
Inhabits *America*. *Cram. tab.* 191. fig. D. *Jones. tab.* 13. f. 2.
Upper-wings with 2 black spots before the band; the streak of white dots is only on the under-surface of the lower-wings.
- Eva.* Wings entire, both surfaces alike, black; upper-pair with fulvous streaks at the base and spots at the tip; disk of the lower-ones fulvous with a black band.

Inhabits *Surinam*. *Cram. t. 316. f. A. B. C. Jones t. 20. f. 1.*
Thorax with 4 rufous spots: hind-margin of the lower-wings dotted with white.

Lybia. Wings entire; upper-pair black with 2 fulvous bands; lower-ones fulvous with a marginal black band.
 Inhabits *India*. *Cramer 13. tab. 177. fig. C. D.*
Body black: *breast* dotted with white. *upper-wings* beneath with a small scarlet line at the base: *lower-wings* beneath with scarlet dots at the base.

Vesia. Wings entire yellowish, the margin dotted with black.
 Inhabits *China*. *Jones Fig. pict. 2. tab. 39. fig. 2.*
Abdomen black with a small fulvous collar: *upper-wings* with a few brown spots and hind-margin.

Hypartia. Wings entire fulvous dotted with black, the margin black immaculate.
 Inhabits *Africa*. *Jones Fig. pict. 2. tab. 42. fig. 1.*
 Margin of the *upper-wings* beneath with fulvous spots: *body* black with fulvous spots.

Viole. Wings entire fulvous dotted with black; margin of the lower-ones black with 7 white dots.
 Inhabits *India*. *Cram. Inf. 20. tab. 298 fig. D. E.*

Terpsicore. Wings entire fulvous; lower-pair dotted with black.
 Inhabits *Asia*. *Petiv Gazoph. tab. 40. fig. 4.*
 Tip of the *upper-wings* whitish.

Serena. Wings entire fulvous: base of the lower-pair beneath dotted with black.
 Inhabits *India*. *Cramer Inf. 33. tab. 268. fig. A. B.*
 Tip of the *upper-wings* and margin of the *lower-ones* brown.

Polymnia. Wings entire; upper-pair with black spots and tip and yellow band; lower-ones with 3 black bands, the middle-one ferrate.
 Inhabits *America*. *Cramer. Inf. 16. tab. 191. fig. E.*
Larva yellowish and spinous under the stigmata.

Hippodamia Wings entire, upper-pair black with 3 hyaline bands: lower-ones hyaline.
 Inhabits——Small, black: *abdomen* clavate.
 Hind-margin of the *lower-wings* brown.

- Irene.* Upper-wings black with yellow spots and a fulvous line at the base; lower-ones fulvous edged with black.
 Inhabits *America.* *Jones Fig. pict. tab. 2. fig. 39.*
Upper-wings black with a broad ferruginous line at the base, the tip spotted with yellow; a line of white dots before the margin beneath: *lower-wings* beneath ferruginous the margin black dotted with white, a brown band in the middle.
- Sappho.* Wings entire, both surfaces alike, black-blue; upper-pair with a white band; lower-ones edged with white.
 Inhabits *Jamaica.* *Jones. Fig. pict. tab. 2. fig. 4.*
Lower-wings beneath spotted with red.
- Urania.* Wings entire brown with a white disk; lower-ones with 2 eyes each side.
 Inhabits *India.*
Eyes large yellow, iris blueish, pupil white.
- Doris.* Wings entire black; upper-pair spotted with yellow; lower-ones radiate with blue at the base above.
 Inhabits *Surinam.* *Cramer. Inf. 29. tab. 337. fig. 6.*
 Hind margin of the *lower-wings* dotted with white.
- Olympia.* Wings entire black; upper-pair with an oblong fulvous spot at the base, and white ones at the tip; lower-ones fulvous at the base.
 Inhabits *America.* *Jones. Fig. pict. 2. tab. 22. fig. 2.*
Body black: *abdomen* with a red lateral line: *lower-wings* beneath yellowish with 2 brown bands meeting at the outer margin.
- Crisia.* Wings entire black; upper-pair acuminate with a yellow band; lower-pair with a yellow disk.
 Inhabits *America.* *Jones. Fig. pict. 3. tab. 17. fig. 1.*
Upper-wing very pointed, with a yellow line at the base oblique band behind the middle and 3 dots behind the band; *lower-wings* yellow with a black indented margin, beneath yellow clouded with brown.
- Hecale.* Wings entire black; upper-pair with a white band; lower-pair with white marginal dots beneath.
 Inhabits *Surinam.* *Cramer Inf. 2. tab. 17. fig. A. B.*
Head black dotted with yellow: *body* black: *abdomen* beneath yellow: *upper-wings* with a few black dots in the band and towards the tip white ones.

- Ricini.* Wings entire brown; upper-pair with 2 yellow bands each side: lower-ones rufous at the base.
 Inhabits *America*. *Cramer Pap.* 32. tab. 378. fig. A. B.
Larva greenish with white hairs. *Lower-wings* of the *male* purple at the base, of the *female* radiate with blue.
- Sara.* Wings scalloped black with a blue base; upper-pair with 2 yellow bands; lower-ones speckled with red beneath.
 Inhabits *Guiana* *Cramer Inf.* tab. 54. fig. C. D.
Body black dotted with white: *upper-wing* without the blue base beneath, but with a yellow line.
- Aranca.* Wings black; upper-pair with a yellow streak at the base and 2 bands; lower-ones with a red band beneath.
 Inhabits—*Jones Fig. pict.* 2. tab. 26. fig. 1.
Thorax dotted with white; *lower-wings* with an emarginate red spot each side at the base.
- Brassolis.* Wings entire brown; upper-pair spotted with yellow: lower-ones beneath with red rays.
 Inhabits *Surinam*. *Cramer Inf.* 2. tab. 13. fig. E. F.
- Thales.* Wings nearly entire and alike on both surfaces, black with red rays at the base; upper-pair spotted with yellow.
 Inhabits *Surinam*. *Cramer. Inf.* 4. tab. 38. fig. C. D.
- Myrti.* Wings entire black; upper-pair with 2 yellow bands; lower-ones with a rufous disk.
 Inhabits *Surinam*. *Cramer Inf.* 15. tab. 177. fig. E. ?.
- Nasica.* Wings entire black; upper-pair with 2 yellow bands; lower-ones with a yellow disk.
 Inhabits—*Cramer Inf.* 2. tab. 46. fig. 2.
Body black; *thorax* dotted with white: margin of the *wings* dotted with white.
- Cepha.* Wings entire black; upper-pair with an abbreviated white band; lower-ones fulvous at the base and radiate beneath.
 Inhabits *Cayenne*. *Body* small brown.
Upper-wings with a common fulvous spot at the thinner margin: *lower-wings* with a few obsolete white spots at the tip.
- Psdii.* Wings entire brown; upper-pair with 3 hyaline bands, lower-ones with 2.

Inhabits *India*. *Cramer Inf.* 22. *tab.* 257. *fig.* F.
Larva naked green with a black head.

Ajpasia. Wings entire black with hyaline streaks and spots : lower-ones yellow at the base

Inhabits *Tranquebar* ; middle-sized.

Body brown ; *head* and *thorax* black dotted with white : *upper-wings* with hyaline streaks at the base and spots at the tip ; *lower-wings* yellow at the base, the tip black.

Aegle. Wings entire black ; upper-pair with hyaline spots ; lower-ones with a hyaline disk.

Inhabits *India*.

Upper-wings beneath with a fulvous patch before the spots and 3 white dots at the tip : *lower-wings* with a submarginal abbreviated fulvous band ; the disk beneath included in a black line, the margin black with 3 white dots at the tip.

Charitonia. Wings entire black ; upper-pair with 3 yellow bands, lower-ones with 2.

Inhabits *America*. *Cramer Inf.* 16. *tab.* 191. *Fig.* F.

Melpomene Wings entire black ; upper-pair with a red band ; lower-ones with red dots at the base beneath.

Inhabits *America*. *Cramer Inf.* 16. *tab.* 181. *fig.* C.

Phyllis. Wings entire black ; upper-pair with a red band, lower-ones with a yellow one.

Inhabits *Brazil*. *Cramer Inf.* 4. *tab.* 45. *fig.* E, F.

Body black varied with yellow ; *lower-wings* with a few red dots at the base beneath.

Clio. Wings entire brown ; upper-pair spotted with white ; lower-ones with a white band.

Inhabits *America*. *Cramer Inf.* 22. *tab.* 257. *fig.* D, E.

Larva hairy, nut-brown.

Thalia. Wings entire brown ; upper-pair spotted with yellow, lower-ones straited.

Inhabits *India*. *Cramer Inf.* 21. *tab.* 246. *fig.* A.

Streaks on the *lower-wings* bifid.

Rosalia. Wings entire, both surfaces alike, fulvous ; upper-pair with a yellow spot, lower-ones with 2 black streaks.

Inhabits *Surinam*. *Cramer Inf.* 21. *tab.* 246. *fig.* B.

Antennæ black : *body* ferruginous : *upper-wings* with a fine black margin, the spot in the middle edged with black.

Euryta.

- Euryta.* Wings entire both surfaces alike brown with a white band:
lower ones striate the base dotted with black.
Inhabits—*Cram. tab. 233. f. A. B. C. Jones. t. 25. f. 2.*
- Umbra.* Wings entire brown with a testaceous base; lower-ones
speckled with black.
Inhabits—*Jones Fig. pict. 2. tab. 18. fig. 2.*
Head black; *thorax* black with white dots: *abdomen* brown
with testaceous spots, the sides with a black dot.
- Aedea.* Wings entire spotted with white; upper-pair greenish:
lower-ones with a yellow band.
Inhabits *India.* *Clerk. tab. 4. fig. 2.*
Upper-wings with 3 bands of unequal white spots.
- Thallo.* Wings entire black; upper-pair with 2 yellow bands:
lower-pair with a single one.
Inhabits *China.* *Edwards. 36. tab. 226.*
Body blue; *head* red.
- Antiocha.* Wings entire black; upper-pair with 2 white bands.
Inhabits *India.* *Cramer Inf. 4. tab. 38. fig. E. F.*
Lower surface of the *upper-wings* with 2 yellow lines at the base,
of the *lower-wings* with a red line and 2 dots.
- Camoena.* Wings nearly entire, brown dotted with black; lower-
ones with a red band.
Inhabits *Africa.* *Drury Inf. 2. tab. 7. fig. 2.*
Feelers yellowish: *body* black spotted with white: *upper-wings*
immaculate: *lower-wings* with a few black spots at the base:
margin of the wings black with 7 white dots.
- Macaria.* Wings entire brown; upper-pair with a black base and
broad rufous band in the middle; lower-ones dotted
with black at the base.
Inhabits—*Jones Fig. pict. 2. tab. 15. fig. 1.*
- Zetes.* Wings brown dotted with black; lower-pair with a ful-
vous band dotted with black, the margin beneath with
pale dots.
Inhabits *Guinea.* *Cram. tab. 39. f. G. Jones tab. 16. f. 2.*
- Perisphone.* Wings entire brown dotted with black; upper-pair with
a white spot; margin of the lower-ones black imma-
culate.
Inhabits—*Jones Fig. pict. 2. tab. 16. fig. 1.*

Body black spotted with yellow : all the *wings* with 4 black spots in the middle and a transverse whitish one behind : *lower-ones* beneath yellow dotted with black, the margin black with yellow spots.

Gea. Wings entire black ; upper-pair with 2 spots : disk of the lower-ones fulvous striate with black, the base beneath striate with black.

Inhabits *Africa*. Jones Fig. pict. 2. tab. 15. fig. 2.

Head and *thorax* black dotted with white : *abdomen* fulvous with black dorsal spots.

Jodutta. Wings entire black ; upper-pair with 2 white spots ; disk of the lower-ones white striate with black, the base beneath dotted with black.

Inhabits—— Jones Fig. pict. 2. tab. 21. fig. 1.

Abdomen brown with 2 fulvous dots on each segment : *upper-wings* with a white spot at the inner margin connected with the white disk of the lower-ones, and another near the tip divided by nerves : *lower-wings* beneath white, the base dotted the tip striate with black.

Parrhasia. Wings entire black ; upper-pair with a 4-cleft fulvous and hyaline spot ; lower-ones with a fulvous band, beneath yellow with black dots and lines.

Inhabits *India*. Jones Fig. pict. 2. tab. 27. fig. 2.

Body small black with fulvous spots : hyaline spot on the *upper-wings* trifid, beneath palish with a hyaline disk divided by nerves.

Lycia. Wings entire, both surfaces alike, brown spotted with white ; disk of the lower-ones white with black dots.

Inhabits *Sierra Leona*. In the Museum of Sir Jose. Banks.

Thorax brown spotted with yellow : margin of the *lower-wings* striate with brown.

Pyrrha. Wings entire, both surfaces alike, brown spotted with yellow ; disk of the lower-ones ferruginous striate with black.

Inhabits *Brazil*. Jones Fig. pict. 2. tab. 21. fig. 2.

Body black ; *thorax* with a yellow dot each side : *upper-wings* with 2 yellow spots at the base and macular band before the tip.

Pasipha. Wings entire brown varied with white, with black spots and margin.

Inhabits

Inhabits Guinea. *Cramer Inf. 7. tab. 81. fig. C. D.*

Lower-wings beneath yellowish at the base with black spots.

Marcia. Wings entire ; upper-pair brown immaculate, lower-ones yellowish dotted with black.

Inhabits Africa. In the Museum of Sr. *Jos. Banks.*

Body black : sides of the *abdomen* spotted with white: *lower-wings* beneath with a few white dots at the base and a streak of white dots in the black margin.

Cecilia. Wings white in the middle dotted with black : margin of the lower-ones black, beneath dotted with white.

Inhabits Africa. In the Museum of Sr. *Jos. Banks*

All the *wings* black at the base and tip, beneath whitish dotted with black : *upper-wings* beneath black at the tip.

Bonasia. Wings entire brown with a common fulvous band ; base of the lower-ones dotted with black.

Inhabits Sierra Leona. In the Museum of Sr. *Jos. Banks.*

Body black : *abdomen* with yellow lateral dots : *upper-wings* with a fulvous line before the tip: *lower-wings* with a few short streaks at the hind-margin : beneath white at the base with numerous black dots, brown at the tip with marginal acute white dots.

Euterpe. Wings entire black with a fulvous band and white dots.

Inhabits America. *Seba. Mus. 4. tab. 7. fig. 17. 18.*

All the *wings* immaculate behind the band.

Susanna. Wings entire black dotted with white, a fulvous spot at the base and band behind

Inhabits Africa. In the Museum of Sr. *Jos. Banks.*

Body black with white dots, sides of the *abdomen* with fulvous ones : *upper wings* with 3 or 4 white dots within the band, beneath a row of white dots before the margin: hind-margin of the *lower-wings* dotted with white, and numerous scattered ones beneath.

Hyparete. Wings entire, white with black veins : lower-ones beneath yellow, the margin spotted with red.

Inhabits India. *Cramer tab. 187. f. C. D. tab. 201. f. B. C.*

Lower-wings with black marginal spots above, beneath yellow with black veins and 5 or 8 large red spots.

Pasithoe. Wings black slightly radiate with white and a central white dot ; lower-ones beneath sulphur with black margin and veins, the base red.

2. Wings entire black spotted with white; lower-ones beneath yellow on the disk with a red band at the base.

Pap, Egialea. *Cram. 16. tab. 189. fig. D. E.*

- Erytbrea.* Wings black; upper-pair with 2 red bands; lower-ones with 6 red streaks.

Inhabits Surinam. *Cramer. Inf. 16. tab. 189. fig. A.*

- Erato:* Wings entire black; upper-pair spotted with yellow and red at the base; lower-ones striate with red.

Inhabits India. *Cramer Inf. 10. tab. 119. fig. A.*

Upper-wings with 10 yellow spots: lower-wings with 5 red striæ meeting at the base.

- Belladonna* Wings entire black; upper-pair with hyaline dots; lower-ones with yellow spots.

Inhabits—*Jones Fig. pict. 3. tab. 37. fig. 2.*

Body black: sides of the abdomen cinereous: upper-wings with a line beneath and spot at the base.

- Julia.* Wings indented fulvous; upper-pair with 2 black streaks; lower-ones black on the hind-margin.

Inhabits America. *Cramer. Inf. 18. tab. 215. fig. A. F. G.*

Antennæ black: body fulvous: upper wings subfalcate: lower-wings with 2 fine fulvous streaks in the margin: all of them beneath greyish, lower-ones with a red spot at the base and a white patch at the angle of the tail.

- Hippona.* Wings indented tailed varied with yellow and black; lower-ones with 4 white dots.

Inhabits India. *Cramer Inf. 8. tab. 90. fig. C. D.*

Upper-wings indented, the inner tip truncate and nearly emarginate; the base fulvous, then black with a broad yellow band and 2 spots at the tip; beneath variegated: lower-wings indented truncate with a long tail, the base fulvous, the tip black with 4 white dots; beneath varied with yellow and brown.

Parnassii.

- Apollio.* Wings entire white spotted with black; lower-ones with 4 eyes above and 6 beneath.

Inhabits Europe, *Ep. 1. tab. 2 fig. 1. Ernst. 1. tab. 47.*

Larva solitary, furnished with tentacula, silky, black with 2 red dots on the segment each side: pupa slightly folliculute ovate blueish with red dots each side on the fore-part.

Phœbus.

Phœbus. Wings entire. both surfaces alike, white spotted with black; lower-ones with 3 red spots circled with black.

Inhabits *Siberia*. *Jones Fig. pict. 2. tab. 2. fig. 2.*

**Mnemofyne* Wings entire white with black nerves; upper-pair with 2 black marginal spots.

Inhabits *Europe*. *Esp. 1. tab. 2. f. 2. Ernst. 1. tab. 48. f. 100.*

**Cratægi* Wings entire white with black veins.

Inhabits *Europe*. *Harris Aur. tab. 9. f. k. i. Lewin. tab. 24.*

Larva gregarious hairy, above rosy with 3 black lines, beneath green: *pupa* greenish with black spots and dots.

Andromacha. Wings entire, both surfaces alike, dotted with black; upper pair dusky, naked; lower-ones yellowish.

Inhabits *New Holland*: middle-sized.

Head black: *feelers* yellow: *thorax* black with a yellow dot each side: *breast* spotted with yellow; hind-margin of the *lower-wings* black with 7 yellowish dots.

Mandane. Wings oblong entire; upper-pair hyaline with black veins; lower-ones black with a white band.

Inhabits *Africa*. *Jones Fig. pict. 2. tab. 36. f. 2.*

Body black: *feelers* yellow: *abdomen* spotted with white and yellow: *lower-wings* beneath cinereous at the base dotted with black, a white band in the middle, the tip white striate with brown.

Piera. Wings entire hyaline diaphanous; lower-ones with 2 marginal eyes.

Inhabits *India*. *Cramer Inf. 25. tab. 291. fig. C. D.*

Anacardii. Wings entire hyaline greenish; lower-ones brown at the tip with 2 eyes.

Inhabits *America*. *Merian Surinam. tab. 16. fig. 1.*

Larva white with long deflected hairs: *pupa* nut-brown.

Nereis. Wings scalloped brown; lower-ones with a snowy band, the disk fulvous with 2 black eyes.

Inhabits *America*. *Jones Fig. pict. 2. tab. 35. fig. 2.*

Body brown: *feelers* yellowish: *upper-wing* with a cinereous streak: *lower-wings* brown at the base and margin, the eyes with a white pupil; beneath white at the base with 2 black streaks, in the middle a black band, the tip nut-brown with 2 small black eyes with a white pupil.

Andromeda.

Andromeda. Wings hyaline white; lower-ones red at the tip with a single eye each side.

Inhabits *India.* *Drury Ins.* 3. tab. 38.

Lower-wings with a small blue patch at the hind-margin, the eye with a white pupil.

Diaphanus. Wings entire hyaline white, the margins brown.

Inhabits *Jamaica.* *Cram. tab.* 22. fig. D. *tab.* 231. fig. C.

Hyalinus. Wings entire, both surfaces alike, upper-pair hyaline with black bands and margin; lower-ones testaceous.

Inhabits—*Jones Fig. pict.* 2. tab. 33. fig. 1.

Body black, cinereous at the sides: upper-wings with 2 black bands and margin.

Obscuratus. Wings testaceous hyaline; upper-pair with a yellow band.

Inhabits—*Jones Fig. pict.* 2. tab. 32. fig. 2.

Idea. Wings femitransparent, white with black spots and veins.

Inhabits *India.* *Cram. t.* 193. f. A. B. t. 362. f. D.

Naturalist's Miscellany. tab. 194.

Body white with a black dorsal stripe: thorax black striped with white: upper-wings with a slight yellowish tinge near the base.

Festivi.

Cyparissus. Wings entire black with 2 white bands, those of the upper-pair oblique, of the lower-ones punctate.

Inhabits *America.* *Cramer Inf. tab.* 1. fig. A. B.

Club of the antennae pointed: wings black but in a certain direction exhibiting a blue gloss.

Midamus. Wings entire black dotted with white; upper-pair above blueish, lower-ones with a row of white dots.

Inhabits *India.* *Cram.* 23. tab. 266. fig. A. B. and D. E.

Dryasis. Wings entire brown; upper-pair with 2 white dots, all of them with numerous ones beneath.

In the *British Museum.* *Jones* 3. tab. 85. fig. 1.

Body brown: upper-wings beneath immaculate, lower-ones above immaculate.

Diocletianus Wings entire black; upper-pair with an interrupted white band; lower-ones with white lines at the base and a double row of dots at the tip.

Inhabits

Inhabits East India.

Margin of the *upper-wings* dotted with white: *head* and *thorax* black dotted with white: *abdomen* above brown, beneath cinereous with black bands.

Claudius. Wings entire black; upper-pair with a blue gloss and dotted with white; lower-ones with white lines.

Inhabits Tranquebar. Cramer Inf. 21. tab. 266. fig. C.

Body black dotted with white: *lower-wings* with a streak of white dots towards the margin.

Nivivius. Wings entire black; upper-pair with a white band; lower-ones with a common white spot at the base.

Inhabits Sierra Leona. Cramer 1. tab. 2. fig. A. B.

Damocles. Wings entire; upper-pair black; lower-ones brown with a white disk.

Inhabits Asia and Africa. Cramer, tab. 192. fig. D.

Body brown: *thorax* dotted with white.

Cerus. Wings entire black, all of them with a double row of white dots.

Inhabits East India.

Body black dotted with white: *upper-wings* with 4 white dots on the disk: *lower-wings* with 2.

Fulvius. Wings entire; upper-pair black with a macular white band; lower-ones brown, above immaculate, beneath dotted with white.

Inhabits India. Jones Fig. pict. 3. tab. 69. fig. 1.

Body black, fulvous at the sides: *upper-wings* with a white dot in the middle of the rib: all the *wings* dotted with white beneath.

Sylvestris. Wings entire brown with a macular white band.

Inhabits—Jones Fig. pict. 3. tab. 67. fig. 2.

Body brown: *head* and *thorax* dotted with white: *upper-wings* with a few white spots at the tip: *wings* beneath with a white streak or two.

Cochrus. Wings entire, both surfaces alike, black with a macular white band; abdomen red with black belts.

In the museum of Dr Hunter. Large, thick.

Antennæ black, the club pointed: *thorax* and *breast* black spotted with red: *abdomen* black at the base, rufous at the tip, with 4 black belts edged with white: *tail* black.

Liberius.

- Liberius*. Wings entire lead-colour; under-surface of the upper-pair green, of the lower-ones fulvous.
Inhabits *Amboina*. *Cramer. Inf* 18: *tab.* 210. *fig.* G. H.
Wings with a fine black edge each side.
- Radamanthus*. Wings entire black with a blue gloss: upper-pair with a marginal white spot, lower-ones with a white spot and 4 lines.
Inhabits *Asia*. *Jones Fig. pict. 2. tab.* 45. *fig.* 2.
Head and thorax brown dotted with white: upper-wings with 2 white dots near the large spot and a few scattered blue spots, beneath paler: lower-wings with a few blue dots, the white spot is wanting beneath.
- Zoilus*. Wings entire black; upper-pair with 3 white spots; lower-ones with a white disk
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Thorax and abdomen brown spotted with white: upper-wings with a small white dot at the outer margin, beneath a white line at the base and 5 dots at the tip: lower-wings beneath with a black border dotted with white.
- Cyntheus*. Wings entire black with testaceous veins and a white band which in the upper-pair is interrupted.
Inhabits *Africa*. *Jones Fig. pict. 2. tab.* 36. *fig.* 1.
Base of the upper-wings beneath white dotted with black.
- Aretheus*. Wings entire black with blue spots; lower-ones with red dots beneath.
Inhabits *Surinam*. *Cramer. Inf.* 7. *tab.* 77. *fig.* E. F.
Body black: thorax dotted with blue: upper-wings beneath immaculate, lower-ones with scarlet dots at the base and tip.
- Clymenus*. Wings entire with a blue band; upper-pair beneath sanguineous; lower-ones beneath white with black rings and dots.
Inhabits *Brazil*. *Cram. Pap.* 2. *tab.* 24. *fig.* E. F.
Tip of the upper-wings beneath rufous with 2 white lines: lower-wings with 2 black dots in each ring beneath.
- Sisamnus*. Wings entire black dotted with white and a common white band which is interrupted in the upper-pair.
Inhabits—*Jones Fig. pict. 2. tab.* 44. *fig.* 1.
Wings with a white band with black veins and a streak or two of white dots behind: lower-wings with red dots at the base beneath and a yellow band in the middle.

- Læffus.* Wings entire brown with black streaks; upper-pair with a marginal white spot; beneath paler with brown streaks.
Inhabits *Cayenne*.
Body above brown, beneath cinereous: margin of the *upper-wings* beneath brown with a white spot and dots.
- Antiochus.* Wings entire black with a common fulvous band above.
Inhabits *China*. *Cramer Pap.* 12. *tab.* 143. *fig.* B. C.
- Syphax.* Wings entire black; upper-pair with a white band, lower-ones with a marginal red one.
Inhabits *India*. *Cramer Pap.* 19. *tab.* 223.
Upper-wings with 5 white spots besides the band placed transversely towards the tip: *antennae* hooked.
- Ervalthe.* Wings entire black; upper-pair with 2 yellow bands; lower-ones with a yellow band and red spots, beneath red with a yellowish macular band.
Inhabits *India*. *Cramer Inf.* 2. *tab.* 17. *fig.* E. F.
Wings brown, the upper-pair uniform beneath.
- Licas.* Wings entire brown; upper-pair with 2 white bands; lower-ones with a single white band and red spots, beneath cinereous with white bands.
Inhabits *Surinam*. *Cram. t.* 223. *f.* A. B. *Jones t.* 73. *f.* 2.
Antennae brown, the club ferruginous and pointed.
- Phalaris.* Wings entire brown; lower-pair with 2 macular white streaks.
Inhabits—*Jones Fig. pict.* 3. *tab.* 75. *fig.* 2.
Club of the *antennæ* long pointed.
Wings variegated beneath, upper-pair brown at the base.
- Pelafgus.* Wings entire, both surfaces alike; upper-pair greenish with a fulvous band; lower-ones black immaculate.
Inhabits *Surinam*. *Cramer. Inf.* 17. *tab.* 202. *fig.* D.
Antennæ black, hooked at the end.
- Phaeton.* Wings entire black with white and rufous spots.
Inhabits *America*. *Cramer. Inf.* 17. *tab.* 193. *fig.* C. D.
- Sephus.* Wings entire; upper-pair black, the disk fulvous spotted with black; lower-ones brown with a black streak and dots.
Inhabits—*Jones Fig. pict.* 4. *tab.* 72. *fig.* 1.

Upper-wings beneath varied at the base with cinereous and yellow, the tip green: *lower-wings* beneath grey with a yellow spot at the base, an abbreviated green band in the middle with 3 yellow dots, the margin greenish.

Galantbis. Wings entire; above black with sanguineous bands; upper-pair with 2 white dots at the tip.

Inhabits *Surinam*. *Cramer. Inf. 3. tab. 25. fig. D. E.*

Upper-wings with 2 small approximate white dots at the tip, beneath yellow on the fore-part speckled with fulvous, and 2 olive bands: *lower-wings* beneath brown at the base, the tip yellowish with an olive band.

Cenæus. Wings entire brownish; lower-ones beneath with a red orb of 9 spots.

Inhabits *India*.

Wings above brown spotted with yellow, pale at the base.

Chermes. Wings entire dusky; lower-ones red, with black bands above and a snowy dot in the middle beneath.

Inhabits *Africa*. *Jones Fig. pict. 3. tab. 72. fig. 2.*

Body brown: *antennæ* yellowish: *upper-wings* with 2 brown bands and tip.

Hesperus. Wings scalloped brown with black waves; upper-pair with white dots.

Inhabits—*Jones Fig. pict. 4. tab. 73. fig. 1.*

Body brown: *wings* paler beneath.

Mirus. Wings scalloped brown slightly fasciate with testaceous; lower-ones beneath brown at the base and variegated at the tip.

Inhabits—Size of the last.

Upper-wings beneath brownish with yellow bands; and varied with cinereous brown and blue.

Tytius. Wings entire brown spotted with white: upper-pair with 4 ocellar black dots.

Inhabits *Surinam*. *Cramer Inf. 11. tab. 121 fig. C. D.*

Wings paler beneath spotted with white, with numerous black subocellar dots.

Eupalus. Wings entire brown; lower-ones with a blue band, beneath green with a black dot.

Inhabits *Africa*. *Cramer Inf. 13. tab. 145. fig. D. E.*

Wings above brown with a slight gold gloss, upper-ones terminating in a white dot: beneath green with a black dot at the base: *antennæ* black, ferruginous at the tip.

Pintbus. Wings entire, both surfaces alike, brown; upper-pair with 3 yellow spots; lower-ones white on the lower-half.
Inhabits *India*.

Arcippus. Wings scalloped fulvous with black veins, the margin black dotted with white; upper-pair with fulvous spots at the tip.
Inhabits *America.* *Jones Fig. pict. 3. tab. 69.*

Plexippus. Wings entire fulvous with dilated black veins, the margin black with white dots; upper-pair with a white band at the tip.
Inhabits *America.* *Cramer Inf. 1. tab. 3. fig. A. B.*
Sloan's Jamaica. 2, 214. tab. 239. fig. 5, 6.
Larva annulate with white and black, with 2 tentacula on the neck and tail: *pupa* green with a row of gold dots.

Eriippus. Wings entire dull testaceous, the edge black dotted with white; disk of the lower-ones immaculate, beneath with black veins and white dots.
Inhabits *China.* *Cramer Pap. 18. tab. 205. fig. E. F.*
Disk of the upper-wings with a few white dots before the tip.

Misippus. Wings scalloped fulvous, the edge black dotted with white; lower-ones with a black curve.
Inhabits *America.* *Cramer Inf. 2. tab. 16. fig. A. B.*

Chrysippus. Wings entire fulvous, the margin black dotted with white; disk of the lower-ones with black dots.
Inhabits *India.* *Cramer Pap. 10. tab. 118. fig. B. C.*

Alcippus. Wings entire fulvous, the margin black dotted with white; disk of the lower-ones white with black dots.
Inhabits *America.* *Cramer Pap. 11. tab. 127. fig. E. F.*

Eleus. Wings entire fulvous; the margin black, of the upper-pair with a white band, of the lower-ones with white dots.
Inhabits *America.* *Jones Fig. pict. 5. tab. 22. fig. 2.*
Body black spotted with white: *wings* beneath without the black margin.

Ereßmus. Wings scalloped testaceous, the tip and margin black dotted with white; lower-ones beneath with an obsolete macular whitish band.

Inhabits *America.* *Cramer tab. 175. fig. G. H.*

Head dotted with white; *thorax* black with a white dot and 3 cinereous lines; *abdomen* testaceous with a black dorsal line: *upper-wings* black at the the tip with a fulvous spot and white dots, the margin black with 2 rows of white dots: *lower-wings* with a hairy black spot on the disk, in the *male* only, the margin black with a single row of white dots, beneath with black veins and 2 lines of white dots near the edge.

Diocippus. Wings scalloped fulvous with a common black border dotted with white; lower-ones beneath with 3 black dots, and a streak of white ones behind.

Inhabits *India.* *Cramer. Pap. tab. 28. fig. B. C.*

Margin of the *lower-wings* beneath with a double row of white lunules.

Gilippus. Wings entire, both surfaces alike, fulvous spotted with white, the margin black with white dots.

Inhabits *America.* *Cramer. Pap. 3. tab. 26. fig. C. D.*

Hind margin of the *wings* black with 3 streaks of white dots.

Hegesippus. Wings entire, both surfaces alike, black spotted with white; base of the upper-pair fulvous, of the lower-ones with white lines.

Inhabits *Sumatra.* *Cramer. Inf. 15. tab. 108. fig. A.*

Tip of the *upper-wings* spotted with white, of the *lower-wings* with 2 streaks of white dots.

Darius. Wings entire brown; upper-pair spotted with white, lower-ones with a black curve beneath

Inhabits *Brasil,* In the Museum of Sir *Jos. Banks.*

Upper-wings with a large oblong white spot in the middle at the thicker margin and 3 small ones at the angle of the tail, before the tip a white patch: *lower-wings* beneath grey with a black curve in the middle and small white lunule.

Dæalus. Wings entire brown spotted with white, beneath nut-brown.

Inhabits *Guinea.* In the Museum of Sir *Jos. Banks.*

Wings with 4 white lunules at the base and 3 streaks of whitish dots. lower-ones with 3 streaks of blueish-white dots including black ones.

Nicaus. Wings entire; upper-pair with a black eye; lower-ones above with a red marginal band and black ocellar spots.

Inhabits *India*. *Cramer. Inf. 1. tab. 12. fig. G. H.*

Lower-wings with black dots in the band circled with yellow; beneath pale ash with 2 white macular streaks, the spots in the hinder-one including a black dot.

Numilius. Wings entire black; upper-pair with 2 fulvous spots; lower-ones with a single one.

Inhabits *Brasil*. *Cramer Inf. 7. tab. 81. fig. E. F.*

Upper-wings beneath pale fulvous with a brown band at the tip; *lower-wings* with a blueish patch on the hind margin, beneath grey-brown.

Codomannus Wings entire black with red bands; lower-ones beneath with angular yellow lines and blue dots.

Inhabits *Brasil*. In the Museum of Sir *Jos. Banks*.

Upper-wings with a transverse fulvous dot towards the tip and dotted with white at the edge, beneath with a yellow band and blue streak at the tip.

Polymenus. Wings entire rusty-brown dotted with black; beneath yellowish waved with black.

Inhabits *Surinam*. *Jones Fig. pict. 5. tab. 13. fig. 2.*

All the *wings* beneath yellowish with fulvous waves.

Hydaspes. Wings entire brown with a blue gloss; lower-ones beneath yellow with annular black lines and 3 blue dots.

Inhabits *Brasil*. In the Museum of Sir *Jos. Banks*.

Upper-wing with a sanguineous band and yellow patch at the tip; *lower-wings* beneath with 3 subocellar blue dots in the middle and a blue streak behind.

Jairus. Wings entire brown; disk of the lower-ones white with a blue-eye above and 2 beneath.

Inhabits *India*. *Cramer. tab. 6. fig. A. B. t. 185. f. A. B. C.*

Lower-wings with a large blue eye, the iris yellow, pupil white, beneath 2 of the same colour.

Haquinus. Wings nearly entire brown, beneath orange with blueish-silvery spots marked with black.

Inhabits *Franquebar*; middle sized.

Antennæ brown annulate with cinereous, the club black with a sharp ferruginous tip; *wings* a little scalloped with 2 interrupted whitish streaks before the margin beneath.

- Orion*. Wings scalloped; upper-pair falcate rufous, the tip black with a marginal white spot.
 Inhabits *Sariram*. *Sulz. Hist. Inf. tab. 13. fig. 2.*
Upper-wings beneath variegated with a black waved streak in the middle: *lower-wings* rounded entire black, the base subferruginous, the hind-margin palish; beneath variegated with a black waved streak.
- Cocytus*. Wings falcate; above black, the hind-margin cinereous.
 Inhabits *Siam*. In the Museum of Sir *Jos. Banks*.
Wings beneath pale ash, upper-pair with a brown streak behind.
- Drusus*. Wings entire fulvous tipped with black; lower-ones beneath with white dots and 2 eyes.
 Inhabits *Rotterdam Island*; middle-sized.
Antennae black, the club dull ferruginous; tip of the *upper-wings* black with a fulvous band and dot: *lower-wings* black on the hind-margin with a black ocellar dot or two before the margin; beneath all of them varied with ferruginous, upper-ones with a flexuous white spot in the middle and white dots.
- Phymetus*. Wings entire yellow with a common brown border.
 In the Museum of Dr. *Hunter*. Small.
Antennae annulate with black and white, the club black with a fulvous tip: *body* yellowish: *thorax* blackish: *wings* beneath yellowish with fulvous undulations.
- Alfola*. Wings entire fulvous with brown bands, beneath orange with brown waves.
 Inhabits *Guinea*. *Boys* small brown.
- Odin*. Wings entire dusky with a single angle: lower-ones beneath with a pair of black subocellate dots each side.
 Inhabits *China*. *Body* small brown.
Upper-wings with a dark line or two, the tip paler: *lower-wings* cut at the inner margin, with cinereous streaks, beneath with pale streaks at the tip and a small dot at the anterior margin besides the eyes.
- Cellini*. Wings indented oblong fulvous; upper-pair with a black lunule.
 Inhabits *America*. *Cramer Inf. 18. tab. 215. fig. D. E.*

- Dido.* Wings indented oblong black spotted with green; lower-ones with a blueish band and 7 transverse spots. Inhabits *America*. *Cramer Inf.* 17. *tab.* 196 *fig.* E. F.
Larva spinous green with a red and white line, tail with 2 long spines.
- Eurinome.* Wings indented black spotted with white; lower-ones white at the base. Inhabits *India*. *Cramer Inf.* 6. *tab.* 70. *fig.* A.
- Philomela.* Wings scalloped black spotted with white; lower-ones radiate with yellow at the base. Inhabits *India*. *Jones Fig. pict.* 3. *tab.* 46. *fig.* 1.
 Tip of the lower-wings black dotted with white.
- Similis.* Wings slightly scalloped, both surfaces alike, with blueish-white dots lineate towards the base. Inhabits *India*. *Cramer Inf.* 5. *tab.* 59. *fig.* D. E. and *fig.* F.
- Affinis.* Wings indented black spotted with white; border of the lower-ones beneath black spotted with yellow and white. Inhabits *New Holland*. *Museum of Sir Jos. Banks*.
Head thorax and breast black dotted with white; *lower-wings* black with a white disk and streak of white dots, before the margin; beneath white on the disk, the border brown with a row of yellow dots and 2 of white ones: *abdomen* above black, beneath yellow.
- Lais.* Wings indented black with blueish striæ, beneath brown. Inhabits *India*. *Cramer. Inf.* 10. *tab.* 110. *fig.* A. B.
- Enothrea.* Wings indented black with a green disk; beneath black with a white costal dot. Inhabits *Sierra Leona*. *Jones* 5. *tab.* 98. *fig.* 1.
Upper-wings angular: *lower-wings* green at the base with a lunulate black margin.
- Dirtea.* Wings indented, both surface alike, black dotted with yellow. Inhabits *Bengal*. *Jones Fig. pict.* 4. *tab.* 65. *fig.* 1.
- Hippia.* Wings scalloped greenish-white with black border and veins. Inhabits *Poulicandor*. *Jones* 3. *tab.* 12. *fig.* 1.
Body and antennæ black: *upper-wings* with generally white dots at the tip.

Panops. Wings indented brown, both surfaces alike, the outer margin spotted with white, angle of the tail fulvous.

Inhabits *India*. *Cramer Inf. 25. tab. 295. fig. E. F.*

Band on the *lower-wings* surrounded with a black line.

Jacintba. Wings scalloped toothed brown; upper-pair with a streak of white dots; lower-ones white at the tip.

Inhabits *India*. *Cram. tab. 65. fig. C. D. tab. 67. fig. B.*

Head black with 2 white dots: *body* black: *thorax* with 2 white dots: all the *wings* indented with here and there a blue gloss: margin of the *lower-wings* brown with white lunules.

Micalia. Wings falcate toothed black spotted with yellow; middle of the lower-ones fulvous spotted with black.

Inhabits *North America*. *Cramer 9. tab. 108. fig. C. D.*

Hind-margin of the *lower-wings* black with yellow dots: *wings* beneath variegated.

Passifloræ. Wings indented fulvous spotted with black; beneath with 30 silvery spots.

Inhabits *America*. *Cramer 18. tab. 212. fig. A. B.*

Larva spinous black with 2 macular fulvous lines each side and a double interrupted dorsal one.

Juno. Wings angular-indented oblong fulvous with a black border; lower-ones beneath black with fulvous and silvery spots.

Inhabits *Surinam*. *Cramer. Inf. 18. tab. 215. fig. B. C.*

Tip of the *upper-wings* black with fulvous spots above, yellow and silvery ones beneath.

Danai.

**Brassicæ.* Wings rounded entire white; tip of the upper-pair brown and (in the male) 2 brown spots.

Inhabits *Europe*. *Lewin. tab. 25. Albin. 1. tab. 1.*

Larva cinereous dotted with black, with 3 sulphur lines, tail black: *pupa* pale green with 3 yellow lines and 3 globular segments.

Lower-wings with a brown spot on the outer margin, beneath pale sulphur.

**Rapæ.* Wings entire white; upper-pair tipped with brown: male with a brown spot on each, female with 3 brown spots on the upper and one on the lower-pair.

Inhabits

Inhabits *Europe*. *Lewin. tab. 26. Albin. tab. 51. f. C. D. E. F.*
Lower-wings beneath pale sulphur: *larva* green; *pupa* greenish with 3 sulphur lines.

* *Napi*. Wings entire white with dilated green veins beneath.
 Inhabits *Europe* and *Asia*. *Albin. Inf. tab. 52. fig.*, F. G.
Donovan's Eng. Inf. viii. tab. 28. fig. 1. Lewen. tab. 27.
Larva green with 3 bronzed lines: *pupa* pale ochre: *wings* above with a brown spot or two.

* *Sinapis*. Wings entire white; upper-pair tipped with brown.
 Inhabits *Europe*. *Donovan. tab. 280. f. 2. Lewin t. 29 f. 4. 5.*
 All the *wings* beneath immaculate.
 These 4 last are the insects which in the Caterpillar or grub state commit such ravages in our Gardens.

Narica. Wings snowy; upper-pair with a brown spot before the tip.
 Inhabits *Guinea*; small.
 Base of the *wings* beneath a little waved with green.

Raphani. Wings entire white, the tip black spotted with white; lower-ones beneath with black veins and covered with yellowish meal.
 Inhabits *Southern Europe*. *Esf. Pap. tab. 84. fig. 3.*
Antennæ black annulate with white: *head* and *thorax* brown: *abdomen* white, brown on the back: *lower-wings* above white with obsolete marginal brown dots.

Castalia. Wings entire white; above immaculate, beneath yellowish at the base.
 Inhabits *India*. *Jones Fig. pict. 3. tab. 49. fig. 1.*

Poppea. Wings entire white, the margin dotted with black; upper-pair with a ferruginous spot at the base.
 Inhabits *Sierra Leona*. *Cramer 10. tab. 110. fig. D.*
 Spot at the of the *wings* on both surfaces.

Sylvia. Wings entire white; tip of the upper-pair brown with a fulvous spot beneath.
 Inhabits *Sierra Leona*. In the Museum of Sir *Jos. Banks*.
Lower-wings with 5 marginal brown dots.

Paullina. Wings entire white edged with black; lower-surface of the upper-pair with a yellow spot at the base, of the lower-ones immaculate.

Inhabits *India*. *Cramer Inf. tab. 110. fig. E. F.*

Lower-surface of the *upper-wings* with a sinuate brown band, of all without the marginal black dots.

Argant. Wings entire fulvous ; beneath speckled with ferruginous.

Inhabits *Brasil* In the Museum of Sir. *Jos. Banks.*

Antennae ferruginous : all the *wings* above fulvous, the hind-margin a little spotted with brown.

Monuste. Wings entire white edged with brown.

Inhabits *America*. *Cramer. tab. 141. fig. F. tab. 58. fig. A.*

Lower-wings beneath yellow.

Amaryllis. Wings entire, both surfaces alike, dull white, upper-pair with a black lunule in the middle.

Inhabits *India*. *Jones Fig. pict. 3. tab. 35. fig. 1.*

Argia. Wings entire white ; upper-pair black at the tip.

Inhabits *Sierra Leona*. *Cramer 17 tab. 201. fig. B.*

Upper wings with a large brown spot towards the tip beneath: the inner margin with long fasciculate white erect hairs.

Nephie. Wings scalloped white ; upper-pair with a black dot above; all of them with a brown one beneath.

Inhabits *China*. *Drury Inf. 1. tab. 12.*

Amathonte. Wings rounded white tip with black; margin of the upper-pair beneath nut-brown.

Inhabits *America*. *Cramer. 10. tab. 116. fig. A. B.*

Abdomen inowy with black dorsal spots.

Pbiletæ. Wings entire grey ; upper-pair above white tip with brown.

Inhabits *America*. *Antennæ* ferruginous at the tip.

Tip of the *upper-wings* with a brown dot in the middle.

Libythea. Wings entire white ; upper-pair brown at the base of the rib and at the tip.

Inhabits *East India*.

Lower-wings with 4 marginal brown dots.

Calypso. Wings entire white ; upper pair with a black dot and tip; lower-ones beneath yellowish, the margin dotted with black.

Inhabits *Sierra Leona*. *Cramer*. 13. tab. 154. fig. C. D. E.

Body grey : upper-wings with a brown dot at the thicker-margin, the tip black striate with white; beneath with a black curve, the thicker margin brown, the tip black with 6 yellowish spots: lower-wings with 5 marginal brown spots; beneath yellowish with 5 marginal black spots, a streak of 7 black dots before the margin and a single one in the middle.

**Daplidice* Wings entire white with a brown margin; beneath marked with yellowish-white and green.

Inhabits *Europe and Africa*. *Cramer* tab. 151. fig. C. D.

Donovan's Eng. Inf. vi. tab. 200. *Lewin*. tab. 29.

Lower-wings of the male nearly immaculate, of the female with brown marginal spots.

Cneora. Wings entire white, the margin black with a streak of dots.

Inhabits *India*. *Cram.* 8. tab. 95. fig. C. D. E. F.

Dots on the hind-margin of the wings in the male fulvous, female whitish: upper-wings with a black dot in the middle: lower-wings something greenish beneath.

Nerissa. Wings entire white with a black margin; beneath with black veins.

Inhabits *China*. *Cramer*. *Inf.* tab. 44. fig. A.

Demophile. Wings white with 2 brown bands and margin; lower-ones beneath flesh-colour.

Inhabits *India*. *Clerk*. *Icon*. tab. 28. fig. 4.

Vanessa. Wings entire white; upper-pair with a brown exterior margin and black dot; lower-ones with brown streaks.

Inhabits *America*. *Jones* *Fig. pict.* 6. tab. 35. fig. 4.

Upper-wings with a few brown curved lines beneath: lower-wings beneath yellowish.

Hecabe. Wings entire yellow, the outer margin black; beneath dotted with brown.

Inhabits *India*. *Cramer* *Inf.* 11. tab. 142. fig. B. C.

Agave. Wings entire yellow; tip of the upper-pair above black, beneath chestnut-brown.

Inhabits *Cayenne*. *Cramer* 2. tab. 10. fig. H. I.

Lower-wings beneath with a small nut-brown spot.

**Cardui*. Wings entire white; upper-pair (of the male) with a large bright orange patch at the tip including 2 black dots; lower-ones beneath marbled with green.

Inhabits

Inhabits *Europe*. *Donovan*. tab. 169. *Leuwen*. tab. 30.

Female without the orange tip on the *upper-wings*.

Larva solitary, above greenish beneath whitish : *pupa* green with a lateral white line each side: *thorax* conic ascending.

Genutia. Wings falcate entire white ; upper-pair fulvous at the tip ; lower-ones marbled with green.

Inhabits *India*. *Jones*. Fig. pict. 3. tab. 26 fig. 2.

Upper-wings beneath whitish with a black dot in the middle, the the tip greenish : *lower-wings* with a few marginal black dots, beneath marbled with green.

Dorothea. Wings entire white ; upper-pair black at the tip ; lower-ones beneath with yellow bands speckled with black.

Inhabits *India*. *Jones* Fig. pict. 3. tab. 3. fig. 2.

Body brown : *upper-wings* with a brown dot before the tip, the base and tip beneath yellowish speckled with black.

Eloria. Wings entire white ; upper-pair black at the tip ; lower-ones with a black spot and marginal dot.

Inhabits—*Jones*. Fig. pict. 3. tab. 25. fig. 1.

Body black : rib of the *upper-wings* black at the base:

Nina. Wings entire white ; upper-pair with a black spot and tip ; lower-ones beneath speckled with green.

Inhabits *India*. In the museum of Sir *Jos. Banks*.

Upper-wings beneath with a black spot towards the tip and a black patch at the base and tip.

Eucharis. Wings entire white ; upper-pair fulvous at the tip with a black margin ; lower-ones immaculate.

Inhabits *East India*.

Antennæ annulate with white and black : all the *wings* beneath white with a brown spot at the tip.

Nysa. Wings entire white ; lower-ones beneath brown with a white dot and 6 yellow lunules.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Upper-wings black at the tip and spotted with white ; beneath with a fulvous spot.

Mela. Wings entire white ; lower-ones with a black dot in the middle, beneath yellowish with 2 black dots.

Inhabits *Inata*. *Jones* Fig. pict. 3. tab. 25. fig. 4.

Upper-wings tip with brown, beneath yellow on outer margin : *lower-wings* with a black dot in the middle and yellow hind-margin.

Chloris.

- Chloris.* Wings entire white tipped with black; lower-ones beneath fulvous with a broad black margin.
Inhabits *Africa*. *Cramer Inf.* 18. *tab.* 207. *fig.* F. G.
Antennae varied with white and black: *upper-wings* beneath fulvous at the base: *lower-wings* with a black hind-margin.
- Rhodope.* Wings entire, both surfaces nearly alike; upper-pair yellow; lower-ones white: all black on the outer-margins.
Inhabits *Sierra Leona*. In the Museum of Sir *Jos. Banks*.
Antennae black: *body* cinereous; *upper-wings* black striate with yellow on the outer and hind-margins, beneath yellow with 7 black spots at the tip: *lower-wings* with 8 black marginal dots.
- Elathea.* Wings entire; upper-pair yellow; lower-ones white; all black on the outer margins; beneath cinereous.
Inhabits *America*. *Cramer Inf.* 9. *tab.* 99. *fig.* C. D.
- Aelmeone.* Wings with both surfaces alike, yellow at the base and white at the tip.
Inhabits *Tranquebar*. *Cramer.* 12. *tab.* 141. *fig.* E.
Margin of the *upper-wings* black.
- Phryne.* Wings entire white edged with black; lower-ones beneath yellow.
Inhabits *America*. *Cramer. Pap. tab.* 251. *fig.* 9.
Head and *antennae* black: *upper-wings* beneath yellow on the fore-margin: *lower-wings* beneath yellow edged with black.
- Licina.* Wings entire white edged with black; lower-ones beneath immaculate.
Inhabits *India*. *Cram. t.* 153. *f.* E. F. *Jones 3. t.* 17. *f.* 2.
Body black: *upper-wings* whitish, the tip sinuate black, margin of the tip beneath yellowish: *lower-wings* beneath yellow.
- Arcta.* Wings entire white, the margin black spotted with white; lower ones beneath yellow.
Inhabits *Coromandel*. *Cram. Pap. tab.* 270. *fig.* A. B.
Upper-wings with a black spot in the middle: *lower-wings* beneath yellow with black veins, the margin black dotted with yellow.
- Zelmira.* Wings white with a common brown border, upper-pair with a white costal band; lower-ones with a brown streak beneath.

Inhabits.

Inhabits *Tranquebar*. *Cramer. tab. 320. fig. C. D. E. F.*

Female browner, with a broader hind-margin on the lower-wings and which is dotted with white.

Pyranthe. Wings white with a black dot and tip; beneath with cinereous waves and a fulvous dot.
Inhabits *East India*, on the *Cassia*.

Leucippe. Wings entire; upper-pair red edged with black; lower-ones yellow.
Inhabits *Amboina*. *Cramer. 3. tab. 36. fig. A, B, C.*
Upper-wings with black marginal dots: *lower-wings* fine yellow with sometimes black marginal spots in the female, beneath pale fulvous speckled with black.

Glaucippe. Wings entire white; upper-pair tipped with black; lower-ones beneath cinereous with brown waves.
Inhabits *Asia*. *Cramer. 14. tab. 164. fig. A. B. C.*
2 Wings entire white; upper-pair tipped with black: lower-ones with a black margin and 6 dots.
The other sex. *Aubert. Miscell. tab. 91. fig. 1, 2.*

Ceronis. Wings entire with black veins; above white, beneath greenish.
Inhabits *China*. *Cramer Pap. 4. tab. 44. fig. B. C.*
Wings with a few brown spots beneath,

Eudoxia. Wings entire white edged with black; beneath fulvous at the base and spotted with black at the margin,
Inhabits *Sierra Leona*. *Jones Fig. pict. 3 tab. 20. fig. 2.*
Body black: *abdomen* cinereous, black on the back: *upper-wings* white with yellow waves, the tip black with acute yellow spots: *lower-wings* with an indented black margin.

Ipbigenia. Wings entire white tipped with black; lower-ones beneath yellowish with a black band in the middle, and an abbreviated fulvous streak.
Inhabits *Surinam*. *Naturf. 9. tab. 2. fig. 6.*
2 Wings entire white; lower-ones beneath black with a yellow and red streak and white band.
Inhabits *Surinam*. *Cramer. 6. tab. 63. fig. A. B.*

Teutonia. Wings entire white; lower-ones beneath with black veins and yellow spots.
Inhabits *New Holland*. *Sulz. Hist. Inf. tab. 15. fig. 9.?*

Upper-wings with a black dot in the middle, the tip black spotted with white: *lower-wings* above the edge black with white spots, beneath 4 yellow spots at the base and 8 in the black margin.

Myfis. Wings entire white; margin of the lower-ones beneath black with a red band.

Inhabits *New Holland.* Museum of Sr. *Jos. Banks.*

Upper-wings brown at the tip with 5 white spots, beneath with a broad yellow inner-margin: *lower-wings* with a black hind-margin.

Argentbona Wings entire white, the border black spotted with yellow; lower-ones yellow, the tip black with a rufous macular band.

Inhabits—*Jones Fig. pict. 3. tab. 12. fig. 2.*

Lower-wings beneath yellow at the base, the tip black with a band composed of 8 oblong rufous white spots.

Nigrina. Wings entire white tip with black; beneath black, with a sanguineous flexuous streak on the lower-ones.

Inhabits *New Holland.* In the Museum of Sr. *Jos. Banks.*

Upper-wings with a broad black tip subs fasciate with 5 whitish spots, beneath entirely black with a yellow band at the tip: *lower-wings* whitish edged with black, beneath black with a red spot at the base and flexuous band in the middle.

Maria. Wings white; upper-pair brown with a broad white band.

Inhabits *East India.* *P. Cneora. Fab. p. 200. n. 626.*

Lower-wings white edged with brown, beneath a yellow patch at the base.

Saba. Wings entire black with a common white band.

Inhabits *Sierra Leona.* In the museum of Sir. *Jos. Banks.*

Upper-wings with a few white dots towards the tip: all of them beneath yellowish at the base.

Coronea. Wings entire white edged with black; beneath black radiate with fulvous at the base.

Inhabits *Surinam.* *Cramer. 6. tab. 68. fig. A. B.*

Melania. Wings entire white tip with black; lower-ones dull glaucous beneath.

Inhabits *New Holland.* In the museum of Sir. *Jos. Banks.*

Body brown: *antennae* black: *upper-wings* black at the tip with white spots; beneath white with a fulvous spot at the base, the tip black spotted with white: *lower-wings* white with a blueish gloss and broad brown margin, beneath glaucous.

Scylla

Scylla. Wings entire yellow; upper-pair white with a black border; all of them clouded beneath.
Inhabits *India*. *Cramer Pap. 1. tab. 12. fig. C. D.*

Flippantia. Wings entire; upper-pair white with a black spot and tip; lower-ones yellow; beneath nut-brown at the tip.
Inhabits—*Jones Fig. pict. 3. tab. 8. fig. 2.*
Body black covered with cinereous hairs: *upper-wings* beneath with a nut-brown tip and spot: *lower-wings* above yellow, the margin spotted with black.

Juditb. Wings entire, both surfaces alike, upper-pair white with black veins and margin; lower-ones fulvous edged with black.
Inhabits *Poulicandor*. In the museum of Sir *Jos. Banks.*
Antennae black annulate with white: *body* hairy cinereous: *lower-wings* with a few fulvous spots.

Amata. Wings fulvous bordered with black, beneath greenish.
Inhabits *India*. *Cramer. 30. tab. 351. fig. A. B.*
Outer and hind-margin of the *upper-wings* black with fulvous dots: all of them beneath greenish, upper-ones with 2 brown dots at the inner-margin, lower-ones with one in the middle.

Cyprea. Wings entire fulvous, the margin black with fulvous spots; beneath greenish with a fulvous dot and moniliform streak.
Inhabits *India*. *Cram. tab. 53. fig. C. D. t. 351. f. C. D.*

Danae. Wings white; upper-pair saffron at the tip with a black band and margin; beneath with an abbreviated moniliform streak.
Inhabits *East India*; small.
Upper-wings with a yellowish blotch, a black band and edge all round, and a black dot in the middle; beneath pale ash at the tip with a short streak of 5 subocellar brown dots with a white pupil, a black dot in the middle: *lower-wings* spotted with black on the hind-margin; beneath cinereous with a streak of 5 subocellar ferruginous dots and 1 in the middle.

Pyrene. Wings rounded yellow (with a fulvous spot in the middle) the tip black; lower-ones beneath with 7 ocellar white spots.
Inhabits *America*. *Cramer. 19. iab. 217. fig. D. E.*

Antennæ black, the club ferruginous at the tip: *lower-wings* edged with black: all of them beneath with marginal black dots, lower-ones with 7 white dots surrounded with a ferruginous iris.

Rabel. Wings entire yellow; above edged with black, beneath immaculate.

Inhabits *India*.

Head and *thorax* brown: *abdomen* whitish, black on the back: *upper-wings* with a black band at the tip.

Messalina. Wings entire white tipped with black; beneath yellow with a marginal chestnut-brown spot.

Inhabits *India*.

Wings beneath yellow, upper-pair with a brown spot at the tip, lower-ones with brown specks and marginal spots.

Enippe. Wings yellow; all of them beneath with ocellar brown dots, on the upper-pair 6, lower-ones 7.

Inhabits *China*. *Cram.* 105. fig. C, D. 157. fig. C, D.

Upper wings black at the tip with a large fulvous spot. beneath with a black dot in the middle and 6 ocellar white spots with a black iris: margin of the *lower-wings* dotted with black, beneath with a black dot in the middle and 7 ocellar white ones with a black iris.

Evippe. Wings entire yellowish; upper-pair tipped with black; lower-ones white beneath.

Inhabits *Asia*. *Cramer.* 8. tab. 91. fig. D, E, F, G.

Tip of the *upper-wings* black with a fulvous spot, all with a black dot in the middle beneath.

Charmione. Wings entire, both surfaces alike, white with a black border which on the upper-wings has 2 yellow spots and one on the lower.

Inhabits *Johanna Island*. *Jones* 2. tab. 1. fig. 2.

Trite. Wings entire yellow; upper-pair white above the margin; all of them with a ferruginous streak beneath.

Inhabits *Africa* and *Europe*. *Cram.* 12. tab. 141. fig. C, D.

• *Eduf.* Wings entire fulvous with a black dot and margin; beneath greenish, upper-pair with a black dot, lower with a silvery one.

Inhabits *Europe*. *Donovan.* ii. tab. 43. vii. tab. 238. fig. 2.

Antennæ fulvous: *lower-wings* with a deep fulvous spot in the middle.

Eupheno. Wings entire yellow; tip of the upper-pair black, fulvous in the middle; lower-ones with 3 brown streaks beneath.

Inhabits *Southern Europe*; size of the last.

Belia. Wings entire white; lower-ones subfasciate with grey beneath.

Inhabits *Barbary*. *Cramer tab. 297. fig. A. B.*

Upper-wings white with a black spot in the middle, the tip black with white dots.

Phronima. Wings entire white, base of the rib and tip black; lower-ones beneath yellowish with 2 darker bands.

Inhabits *America*. *Cramer tab. 153 fig. E. F.*

Abdomen pale, black on the back: *upper-wings* yellowish at the tip with a black band before it.

Pfamathe. Wings entire white; tip of the upper-pair black spotted with white; lower-ones beneath greenish with 2 darker bands, the fore-most incurved.

Inhabits *America*. *Jones Fig. pict. 3. tab. 14. fig. 1.*

Palæno. Wings entire yellow with a black tip and fulvous margin; lower-ones with a silvery dot beneath

Inhabits *Europe*. *Cramer. 29. tab. 340. fig. A. B.*

Antennæ red: margin of the *wings* fringed with red hair: *wings* very rarely whitish.

Larva a little hairy, green with yellow lines and black dots.

• *Hyale.* Wings entire yellow, the tip black spotted with white; lower-ones with a fulvous spot, a silvery dot with a smaller contiguous one beneath.

Inhabits *Europe*. *Donovan. vii. t. 238. f. 1. Lewin. t. 33.*

Male with the margin of the wings black immaculate, *female* spotted: *wings* sometimes pale white.

Larva filky green with a lateral white line and dotted with yellow: *pupa* green with a yellow lateral line.

Aurora. Wings entire fulvous; upper-pair with an ocellar dot beneath: lower-ones with a double silvery one.

Inhabits *Siberia*. *Esp. Pap. 1. tab. 83. fig. 3.*

Probably a mere variety of the last.

Nicippe. Wings entire fulvous tipped with brown; upper-pair with a black lunule each side; lower-ones beneath speckled with red.

Inhabits

Inhabits *Virginia*. *Jones Fig. pict. 3. tab. 39. fig. 2.*
 Tip of the *wings* sinuate with a broad patch of brown above.

Lefbia. Wings entire fulvous; upper-pair with a brown dot; all of them beneath pale with a snowy dot.

Inhabits *Patagonia*. In the museum of Sir *Joseph Banks*.

Body grey: *upper-wings* with a brown margin and dot; the snowy dot beneath surrounded with a brown ring.

Sennæ. Wings yellow; each of them beneath with a double ferruginous dot.

Inhabits *America*. *Sloan. Jamaic. 2. tab. 236. fig. 11, 12.*

Tips of the *wings* sometimes black sometimes immaculate.

Marcellina. Wings entire yellow; each of them beneath with a double silvery dot.

Inhabits *Surinam*. *Cramer. 14. tab. 163. fig. A, B, C.*

Margin of the *wings* above dotted with black.

Eubule. Wings entire yellow, the margin dotted with black; lower-ones beneath with a double silvery ferruginous dot.

Inhabits *Carolina*. *Cramer. 10. tab. 120. fig. F. G.*

In one sex the *upper-wings* have a ferruginous eye in the middle and the margin spotted with brown, in the other the wings above are immaculate.

Catilla. Wings yellow; upper-pair with a black dot and margin; all of them beneath with a chestnut spot, which on the lower-ones contains a double silvery dot.

Inhabits *Tranquebar*. *Cramer. tab. 229. fig. D, E.*

All the *wings* beneath sulphur with a large chestnut-brown spot in the middle and lunules, which on the upper-pair contains a ferruginous dot.

Proterpia. Wings entire angular fulvous; upper-pair with a black exterior margin.

Inhabits *Jamaica*. In the museum of Dr. *Hunter*.

Upper-wings with a broad black margin, the hind-part striate with black beneath immaculate: *lower-wings* angular, the hind-margin striate with black, beneath yellowish speckled with brown.

Gnoma. Wings white; upper-pair with a black dot: all of them beneath with a silvery dot.

Inhabits *India*. *Cramer. 30. tab. 361. fig. C, D.*

Upper-wings with marginal brown dots, beneath glaucous with a silvery dot in the middle surrounded with a ferruginous ring: *lower-wings* the same beneath.

- Drya.* Wings yellow; lower-surface of the upper-pair with a ferruginous dot, of the lower-ones with a silvery one.
 Inhabits *America*. *Cramer*. 10. tab. 120. fig. C, D.
Wings hardly angular, the silvery dot on the lower-ones surrounded with a ferruginous ring.

- Philippa.* Wings entire yellow; upper-pair acuminate varied with black and with a black dot; lower-ones with a red dot: all with a silvery one beneath.
 Inhabits—*Jones Fig. pict. 2. tab. 32. fig. 1.*
Body yellowish: *upper-wings* black at the base, the middle yellow with a black dot, the tip black spotted with yellow; beneath pale with a silvery dot in the middle, the iris black: *lower-wings* dotted with black at the hind-margin.

- *Rhamni.* Wings entire angular yellow; each with a ferruginous dot in the middle.
 Inhabits *Europe*. *Donovan*. v. tab. 145. *Lewin*. tab. 31.
Male brimstone yellow, *female* very pale.
Larva smooth green with a darker dorsal line: *pupa* gibbous, pointed before.

- Philea.* Wings entire angular yellow; upper-pair with a pale spot, lower-ones with a pale border.
 Inhabits *India*. *Cramer* 15. tab. 173. fig. E, F.
 All the *wings* beneath with a double white dot surrounded with a purple ring.

- Cipris.* Wings slightly tailed yellow, the margin dotted with black.
 Inhabits—*Jones Fig. pict. 3. tab. 39. fig. 1.*
Body large yellow: *antennae* black; all the *wings* beneath yellow speckled with black, upper-pair with a single dot surrounded with a red iris, lower-ones with 2, the iris black.

- Mæcula.* Wings entire angular yellow; upper pair with a black spot and ferruginous one beneath; lower-ones with a ferruginous spot both sides.
 Inhabits *India*. *Gram.* 11. tab. 129. fig. A, B.
Antennae ferruginous: *body* yellow: *upper-wings* with a square black spot in the middle and small marginal ferruginous dots, beneath with a yellow dot in the ferruginous spot: *lower-*

wings with a ferruginous spot in the middle and small marginal ones, beneath with a double ferruginous spot including a yellow dot.

Pomona. Wings subangular white; upper-pair with a black dot; beneath yellow with 2 silvery dots on the lower-ones.
Inhabits *New Holland.* In the Museum of Sir *Jos. Banks.*

Florella. Wings subangular white; upper-pair with a brown dot; lower-ones beneath with 3 silvery dots.
Inhabits *Africa.* In the Museum of Sir *Jos. Banks.*
Upper-wings with a few brown spots at the tip, beneath yellowish with fulvous specks and a fulvous spot in the middle surrounded with a brown ring: *lower-wings* beneath yellowish speckled with brown, the silvery dots in the middle surrounded with a brown ring.

Cleopatra. Wings entire; upper-pair with a fulvous disk above and ferruginous dot beneath; lower-ones with a ferruginous dot each side.
Inhabits *Europe and Africa.* *Cram.* 11. *tab.* 131. *fig.* E.
One *Sex* is without the fulvous spot on the disk.

Nymphales.

Jafus. Wings 2-tailed brown, yellowish behind; beneath with a white band and characters.
Inhabits *Africa and Barbary.* *Cramer* 28. *tab.* 329. *f.* A. B.
Band on the *lower-wings* more distinct.

Pyrrhus. Wings 2-tailed brown with a common white band, reaching half way on the upper-pair.
Inhabits *India.* *Cramer.* *Inf.* 8. *tab.* 89. *fig.* C. D.

Camillus. Wings 2-tailed white with fulvous bands edged with black; lower-ones with a black caudal spot
Inhabits *Africa.* In the Museum of Sir *Jos. Banks.*
Upper-wings with 2 fulvous bands edged with black, then 2 abbreviated ones, next an entire one, then brown streaks: *lower-wings* with fulvous and brown bands: one of the *tails* acute black with white lines, the other obtuse fulvous with 2 black dots.

Sempronius. Wings 2-tailed white, the margin black dotted with white.
Inhabits—*Jones Fig. pict.* 5. *tab.* —.

Body large white : antennae black : upper-wings beneath varied with white green and black and a blue streak ; lower-wings beneath with 3 fulvous spots at the angle of the tail marked with black, the hind-margin black with yellow lunules.

Tridates. Wings indented 2-tailed, above black spotted with blue, the margin dotted with white.

Inhabits *Amboina*. Cramer 13. tab. 161. fig. A. B.

All the wings with 2 streaks of blue dots and a marginal streak of white ones ; beneath spotted with brown yellow and blue, the hind-spots on the lower-wings with a white pupil.

Castor. Wings indented 2-tailed, fulvous edged with black - beneath with a white band and white spots including a black one.

Inhabits *Guinea*. Cramer tab. 37. fig. E. F.

Wings beneath purplish with white spots at the base in which are black ones, a white band in the middle and ocellar spots at the tip.

Pallux. Wings indented 2-tailed, brown with a yellow band ; beneath with a white band and spots including a black one.

Inhabits *Guinea*. Cramer 4. tab. 37. fig. C. D.

Æclus. Wings indented 2-tailed ; above black ; beneath cinereous with black waves and an ocellar fulvous spot.

Inhabits *Amboina*. Cramer 27. tab. 317. fig. A. B.

Upper-wings with a few white dots, lower-ones immaculate.

Paullus. Wings indented 2-tailed, fulvous tipped with black : lower-ones beneath variegated with a white spot at the base.

Inhabits *Jamaica*. Jones Fig. pict. tab. 78. fig. 2.

Upper-wings black with fulvous spots and a single white one : lower ones fulvous, the margin streaked with black : beneath varied with blue streaks.

Libeccus. Wings 2-tailed blue-brown with a white band each side ; lower-ones edged with green.

Inhabits *Sierra Leona*. Cram. 10. tab. 119. fig. D. C.

Wings beneath chestnut-brown with a white band and blue lines at the base, the tip with black spots : angle of the tail green with chestnut spots.

Fabius. Wings indented 2-tailed, brown with yellow bands; the base beneath with black waves, the tip with fulvous dots.

Inhabits *India*. Museum of Sir *Jos. Banks*.

Body brown: *head* with 4 white dots: *lower-wings* spotted with yellow at the margin: all the *wings* beneath glaucous, the base waved with black, in the middle a whitish band and a streak of fulvous dots at the tip which in the lower-ones is double.

Horatius. Wings indented 2-tailed black; lower-ones fanguineous at the tip with black ocellar dots.

Inhabits——*Jones Fig. pict. 5. tab. 16. fig. 2.*

Head with 4 white dots: *upper-wings* with a common red marginal abbreviated band and dot, beneath cinereous with 3 black dots at the base: *lower-wing*: with a broad fanguineous hind-margin in which are 5 black dots with a white pupil: beneath cinereous with a darker band in the middle, towards the margin is a rufous streak with black and blue lunules.

Eudoxus. Wings tailed black with a common red band; beneath with silvery spots including black ones.

Inhabits *Africa*. *Drury. 3. tab. 33. f. 1. 2. Jones 5. tab. 53.*

Margin of the *upper-wings* spotted with rufous, of the *lower-wings* rufous.

Cocles. Wings slightly tailed streaked with white and yellowish and a white band in the middle; lower-ones beneath with a streak of ocellate dots.

Inhabits *Siam*. In the Museum of Sir *Jos. Banks*.

Antennæ black annulate with white: *body* cinereous: *upper-wings* beneath with a single ocellar spot towards the margin: *lower-wings* beneath with a streak of 6 white dots, the iris yellowish and pupil black: outer *tail* acute, inner very short rounded, above with blue lunules beneath with a black spot.

Miliades. Wings tailed brown; lower-ones with a white spot all beneath with a common white band and single eye.

Inhabits——*Jones Fig. pict. 5. tab. 80. fig. 2.*

Upper wings with a ferruginous spot in the middle and 2 white dots at the tip, beneath paler with 2 black streaks at the base, the eye with a yellow iris but no pupil: *lower-wings* with a yellow marginal streak, beneath as in the upper-ones but the band is dilated in the middle with a black eye.

Varanes. Wings tailed, above brown with fulvous and black spots, the base white.

Inhabits

Inhabits *India*. *Cramer* *tab.* 106. *f.* D. E. *tab.* 388. *f.* A. B.

Wings beneath greenish at the base, the tip subfulvous with 2 streaks of blue dots on the lower-ones.

Themistocles *Wings* tailed chefnut-brown with brown bands; lower-ones with 2 black dots.

Inhabits—*Jones* *Fig. pict.* 5. *tab.* 70. *fig.* 2.

Wings beneath with 3 black dots at the angle of the tail.

Periander. *Wings* tailed, both surfaces alike, white with yellow bands, the tip brown streaked with white

Inhabits *India*. In the Museum of Sir *Jos. Banks*.

Body white: *antennae* black: *upper-wings* a little angular with 5 yellow bands: hind-margin of the *lower-wings* brown with 3 white flexuous streaks and a few white spots before the margin with a black lunule.

Lycurgus. *Wings* tailed black with blue marginal lunules, behind which are 5 white dots on the lower-ones.

Inhabits *Africa*. *Jones* 5. *f.* 60. *f.* 1. *Drury* 3. *tab.* 26.

Upper-wings beneath brown with 2 small black dots at the base
lower-wings beneath with a nut-brown band and marginal white dots.

Decius. *Wings* tailed with a common white band; lower-ones rufous at the tip, with 2 eyes and 2 white dots.

Inhabits *Guinea*. *Cramer* 10. *tab.* 114. *fig.* A. B.

All the *wings* grey at the base and black at the tip with a macular ferruginous streak, lower-ones ferruginous at the tip with 2 black eyes, the pupil blue, and 2 white dots at the angle of the tail. Beneath ferruginous at the base with blue lunules and variegated at the tip, lower-wings with 7 eyes, the last with a double pupil.

Sabinus. *Wings* tailed brown with a fulvous band; beneath grey with a white band and ocellar dots.

Inhabits *Amboina*. *Cramer*. 25. *tab.* 289. *fig.* A, B, C, D.

Wings above variegated at the margin, beneath with white ocellar dots surrounded with a chefnut ring.

Doreus. *Wings* tailed, with a green band above and a white one beneath

Inhabits *Africa*. In the Museum of Sir *Jos. Banks*.

Antennae subfiliform black: *head* and *thorax* black spotted with white: *upper wings* slightly indented, black with white indentations, beneath with a few white spots at the hind-margin: *lower-wings* with white indentations and a thin black inner margin, beneath with a few white dots at the hind-margin.

Palamedes. Wings tailed black with yellow marginal lunules; upper-pair with a yellow band, lower-ones with a macular rufous band.

Inhabits *America.* In the museum of *Dr. Hunter.*

Body large, above black with 4 yellow spots on the neck, beneath yellow: *upper-wings* falcate with a curved band and yellow marginal spots at the base: *lower-wings* with a band of rufous lunules, behind this one of obsolete blue lunules and yellow marginal ones: angle of the tail with a rufous lunule.

Orontes. Wings tailed black with 2 greenish bands, the tail white and distant.

Inhabits *India.* *Cramer Inf. 7. tab. 38. fig. A. B:*

Ægiflus. Wings tailed undulate with brown and yellow and about 3 caudal eyes.

Inhabits *India.* *Cramer Inf. 17. tab. 200. fig. A. B. C.*

Solon. Wings tailed black with a yellowish band, brown at the base.

Inhabits——*Jones. Fig. pict. 5. tab. 63. fig. 2.*

Hind-margin of the *wings* dotted with yellow: beneath cinereous with a few black waves at the base, a common yellowish band in the middle and obsolete spots at the tip.

Empedocles! Wings tailed brown: upper-pair with an abbreviated macular green band: lower-ones beneath with 2 black spots and a rufous lunule at the angle of the tail.

Inhabits *India.* In the Museum of *Sir Jos. Banks.*

Body brown covered with white wool: tip of the *wing-tail* whitish.

Euryalus. Wings tailed black; lower-ones blue before the margin with black spots including a white pupil.

Inhabits *Amboina.* *Cramer. 7. tab. 74. fig. A. B.*

Upper-wings with a brown band: *lower-wings* with 7 black spots, the pupil white: all beneath variegated with brown red and blue and a distinct yellow band.

Nisus. Wings tailed black; upper-pair with a fulvous band, lower-pair with a submarginal white one.

Inhabits *Amboina.* *Cramer 13. tab. 150. fig. A. B.*

Lower-wings with a band of blue lunules, then a streak of white dots and a submarginal white band: all beneath variegated.

Phidippus. Wings slightly tailed brown ; beneath with white biocellate bands and 2 blind eyes at the tail.

Inhabits *India.* *Cramer Inf.* 6. *tab.* 69. *fig.* A. B.

Wings above brown beneath grey with whitish bands ; lower-ones with 2 eyes beneath.

Xipharex. Wings indented tailed black ; upper-pair with white spots ; lower-ones with a yellow band.

Inhabits *Africa.* *Cramer.* 32. *tab.* 377. *fig.* A. B.

Lower-wings with a broad indented yellow band and marginal lunules ; beneath pale ash with a white band and waved yellow streak,

Aurelius. Wings slightly tailed brown, the tip black spotted with white ; lower-ones with 2 eyes beneath.

Inhabits *India.* *Cramer Inf.* 14. *tab.* 168. *fig.* A. B.

Wings beneath white with brown bands.

Bernardus. Wings tailed fulvous ; upper-pair black at the tip with a yellow band ; lower-ones with a streak of ocellate dots.

Inhabits *China.* *Jones Fig. pict.* 4. *tab.* 65. *fig.* 2.

Body large fulvous ; *antennæ* black : *upper-wings* with a small yellow dot behind the band ; *lower-wings* with a streak of 7 black dots, the pupil white : beneath variegated, lower-ones with an obsolete streak of white and black dots.

Gerdrutus. Wings tailed brown ; upper-pair with an ocellate spot at the tip ; beneath ferruginous with a white dot on the upper and 2 on the lower-ones.

Inhabits—*Jones Fig. pict.* 4. *tab.* 5. *fig.* 2.

Upper-wings with a fulvous spot towards the tip, the tip with a black spot and fulvous lunule with a white pupil : *lower-wings* immaculate, truncate at the tip : all beneath pale ferruginous with a darker streak or two.

Chorinaeus. Wings tailed brown ; upper-pair falcate with a fulvous band.

Inhabits *Surinam.* *Cramer.* 25. *tab.* 294. *fig.* A. B.

Upper-wings with a white dot at the tip ; beneath pale ash with thin brown streaks and a white dot at the tip : *lower-wings* beneath with thin brown streaks and transverse line and 4 white dots at the hind margin.

Laertes. Wings tailed brown, blue at the base ; lower-ones above with 5 white dots, beneath with 4 ocellar ones.

Inhabits *Surinam.* *Cramer.* 7. *tab.* 73. *fig.* C. D.

Morvus.

- Morvus.* Wings tailed above brown with a blue base; beneath greenish-grey.
Inhabits India. Cramer. *Inf.* 4. tab. 48. fig. A. B.
Upper-wings much emarginate at the inner margin.
- Ostavius.* Wings tailed black with an abbreviated green band; beneath grey with a brown streak.
Inhabits India. Jones Fig. pict. 5. tab. 101. fig. 1.
- Eribotes.* Wings slightly tailed, fulvous with a blueish base; beneath grey.
Inhabits India. In the museum of Dr. Hunter.
Upper-wings ferruginous, the base blue, the tip brown.
- Irys.* Wings slightly tailed fulvous tip with yellow; beneath variegated at the base, lower-ones blue at the base.
Inhabits Surinam. Cramer. 10. tab. 119. fig. F. G.
Outer margin of the upper-wings beneath dotted with blue.
- Cymodoce.* Wings slightly tailed brown, the base shining blue; lower-ones with a single eye each side.
Inhabits Surinam. Cramer 9. tab. 99. fig. G. H.
Upper-wings with a whitish patch towards the tip and a black streak: lower-wings with a ferruginous eye, the pupil white, beneath with a ferruginous streak and adjoining blue one, towards the tip a black eye and few dots.
- Basilide.* Wings slightly tailed fulvous tip with black; under-surface of the upper-pair with 2 ocellate dots, of the lower-ones with 3.
Inhabits Surinam. Cramer 9. tab. 102. fig. C. D.
Before the tip are 2 yellow spots and a line, and at the tip 2 white dots: all beneath yellow at the base with a black streak.
- Asinoe.* Wings indented tailed fulvous spotted with black; lower-ones with 2 eyes beneath.
Inhabits Amboina. Cramer 14. tab. 160. fig. B. C.
Lower-wings with 2 black eyes, upper-ones with a blue pupil, lower with a white one; a white dot beneath at the angle of the tail.
- Panthera.* Wings indented tailed brown, beneath waved; lower-ones with 2 eyes on the disk and 5 blueish ones on the margin.
Inhabits Tranquebar; middle-sized.

Wings above black edged with brown ; lower-ones with 2 small eyes on the disk, the pupil blueish, the tip brownish-ash with 5 black eyes, the pupil blueish.

Robria. Wings indented tailed brown ; upper pair with a white band ; lower-ones with 7 eyes beneath most of them dotted with white.

Inhabits *India*. Club of the *antennæ* ferruginous at the tip.

Upper-wings with 2 white spots at the tip, the margin dotted with white. Beneath brown with glaucous waves, upper-pair with a white band and 3 blind eyes, lower-ones with 7 eyes most of them with white dots and marks.

Rebecca. Wings indented tailed brown immaculate ; beneath paler with 2 nut-brown streaks and white subocellar dots.

Inhabits *Guinea*.

Wings beneath with 5 white subocellar dots in each.

Erota. Wings slightly tailed brown with black waves and a common white band in the middle ; lower-ones with 2 eyes each side.

Inhabits *Africa*. *Jones Fig. pict. 4. tab. 39. fig. 1.*

Wings beneath yellowish at the base with ferruginous streaks, the tip whitish with ferruginous streaks, and 2 eyes on the lower-ones.

Europa. Wings slightly tailed brown ; lower-ones beneath with a whitish ocellar band.

Inhabits *America*. *Cramer. 7. tab. 79. fig. C. D.*

In one *Sex* the *upper-wings* brown with a white band and few spots at the tip ; beneath a white band and streaks, 4 small approximate eyes with a brown pupil towards the tip : *lower-wings* angular, above brown with a scalloped white streak at the margin and a few darker spots on the disk ; beneath with a white streak on the disk and margin, in the middle a broad band of 6 confluent eyes, the iris white, pupil large black, the hinder-one with a double pupil. The other *Sex* above immaculate, beneath 6 eyes on the upper-wings.

Acheronta. Wings indented tailed ; upper-pair red at the base, the tip black spotted with white.

Inhabits *Brasil*. *Cramer. Inf. 2. tab. 22. fig. A. B.*

Upper wings subfalcate, beneath glaucous with 3 greenish spots at the base, a thin waved black streak in the middle, a darker band at the tip ending in a white spot at the thicker margin : *lower-wings* brown with a ferruginous hue, beneath glaucous with 3 greenish ocellar spots at the base, a waved black streak

in

in the middle and brown band, towards the hind-margin a black dot.

Troglodyta. Wings indented tailed rufous, with a brown streak and hind-margin.

Inhabits *America*. In the Museum of Dr. Hunter.

Upper-wings falcate with a brown spot in the middle: *lower-wings* with a few ferruginous dots in the brown margin: all beneath grey speckled with brown.

Thetys. Wings indented tailed fulvous with black streaks; lower-ones beneath glaucous dotted with black.

Inhabits *South America*. Cramer 8. tab. 87. fig. D. E.

Antennae above black beneath white: *upper-wings* falcate indented, beneath variegated with glaucous and brown: *lower-ones* with 2 black dots at the angle of the tail surrounded with a white ring and 2 lunules at the wing-tail, beneath glaucous with an oblique brown streak at the base and a streak of subcellate dots towards the hind-margin.

Portia. Wings indented tailed; beneath grey speckled with black. Inhabits *South American Islands*.

Body fulvous: *antennae* black: *upper-wings* falcate fulvous with a black dot at the thicker margin, waved streak in the middle, and black hind-margin: *lower-wings* fulvous darker at the tip, beneath 2 distinct black dots at the hind-margin.

C. aureum. Wings indented tailed fulvous spotted with black; lower-ones marked with a gold C. beneath.

Inhabits *Asia*. Cramer. *Inf.* 2. tab. 19. fig. E. F.

Isidore. Wings falcate tailed fulvous; upper-pair with 2 pale dots in the middle and black at the tip.

Inhabits *India*. Jones Fig. pict. 5. tab. 7. fig. 1.

Lower-wings with a brown streak: all of them beneath yellowish with brown streaks.

Bella. Wings slightly tailed testaceous; upper-pair black at the tip with a yellow band and white spots; margin of the lower-ones yellow with black streaks.

Inhabits *India*. Jones Fig. pict. 5. tab. 83. fig. 1.

Wings beneath variegated, lower-ones with 4 subocellar brown spots.

Furcula. Wings tailed brown, fulvous at the base; upper-pair with a blue band.

Inhabits *India*. Jones Fig. pict. 5. tab. 79. fig. 1.

Body fulvous: *lower-wings* with a black dot surrounded with a ferruginous ring at the angle of the tail: all beneath ferruginous at the base, the middle olive with 2 bluish streaks, the tip flesh-colour with ocellar black dots.

Eurcellia.

- Eurocilia.* Wings indented tailed brown with a common fulvous disk ; lower-ones variegated beneath.
Inhabits *India.* *Jones Fig. pict. 5. tab. 35. fig. 2.*
Upper-wings falcate, with a black spot at the base and 5 white dots ; beneath yellow at the base spotted with black, the tip brown variegated : *lower-ones* beneath variegated.
- Pborcys.* Wings slightly tailed indented brown ; beneath with darker streaks and 2 cinereous dots on the lower-ones.
Inhabits *India.* *Jones Fig. pict. 3. tab. 78. fig. 1.*
- Chelys.* Wings indented tailed brown ; beneath variegated, with a streak of yellowish dots.
Inhabits *India.* *Jones Fig. pict. 3. tab. 78. fig. 2.*
Wings beneath variegated with yellowish and brown
- Letbe.* Wings indented tailed fulvous ; upper-pair black at the tip with a yellow band and spots.
Inhabits *India.* *Jones Fig. pict. 5. tab. 18. fig. 2.*
Body brown, fulvous at the sides : *lower-wings* yellow at the margin with a black streak : beneath variegated with yellow and rufous.
- Astina.* Wings tailed brown with a common fulvous disk ; upper-pair with a black lunule.
Inhabits *St. Thomas Island.* *Jones 5. tab. 80. fig. 1.*
Wing-tails long ; *wings* with brown waves beneath.
- Fatima.* Wings slightly tailed black with a common yellow band ; lower-wings with the band abbreviated and 4 rufous spots.
Inhabits *India.* *Jones Fig. pict. 5. tab. 12. fig. 1.*
Upper-wings with 4 yellow dots at the tip : *wings* beneath nut-brown with an entire yellow band, in the upper-pair a yellow streak behind the band, in the lower-ones an interrupted rufous band before the yellow-one.
- Achilles.* Wings indented black with a broad blue band ; beneath brown with 3 or 5 eyes.
Inhabits *America.* *Naturalist's Miscellany. tab. 68.*
Cramer. 3. tab. 27. fig. A, B. tab. 28. fig. A, B.
Upper-wings with 2 rows of pale spots behind the band, the indentations of the margin white : *larva* yellow : *pupa* green.
- Medon.* Wings above black ; upper-pair with a yellow band and white at the tip, lower-ones with a blueish disk.
Inhabits

Inhabits *India*. *Cramer. Inf. 17. tab. 205. fig. B, C, D.*
All the *wings* beneath grey with 3 black dots at the base.

Erithronius Wings indented black, lower-ones with a blue band: beneath green with a streak of white dots.

Inhabits *Africa*. In the museum of Dr. Hunter.

Upper-wings white at the tip: all greenish beneath with black dots at the base, the streak of white dots consists of 3 in the upper and 6 in the lower-wings.

Ceres. Wings indented black; upper-pair with a white band; disk of the lower-ones blueish with a black dot.

Inhabits *Sierra Leona*. *Cramer. 13. tab. 156, fig. A, C.*

Feelers and club of the *antennæ* ferruginous: *upper-wings* with a whitish tip and common blueish spot at the inner margin, beneath cinereous with 3 black spots at the base and a white band before the tip: *lower-wings* beneath grey spotted with black at the base, with a macular black band before the hind-margin.

Urfula. Wings indented black; hind-ones with a blueish border and marginal black band: beneath with fulvous spots.

Inhabits *America*. In the museum of Dr. Hunter.

Upper-wings with a marginal streak of blueish and white dots, beneath 2 fulvous spots surrounded with a black ring: *lower-wings* with 4 fulvous spots surrounded with a black ring at the base, and a row of 7 fulvous dots towards the tip.

Cato. Wings indented black with a common greenish disk; beneath dotted with black, with a rufous spot at the base of the lower-ones.

Inhabits *Sierra Leona*. *Cramer. 4. tab. 39. fig. D, E.*

Disk of the *lower-wings* sometimes yellowish.

Philoctetes. Wings indented brown; lower-ones with 2 eyes, the pupil black, and 3 white dots.

Inhabits *India*. *Cramer, 2. tab. 20. fig. A, B, C.*

Upper-wings with a linear white band, and a transverse black one beneath.

Menetho. Wings indented brown, the margin spotted with yellow; lower-ones with 3 eyes beneath.

Inhabits *India*. *Jones Fig. pict. 5. tab. 61.*

Wings beneath yellowish with 2 common brown bands.

Lucretius. Wings indented black with fulvous bands, beneath with black spots surrounded with a blue line.

Inhabits *Guinea.* *Cramer* *Inj.* 7. *tab.* 82. *fig.* E, F.

Epistrophus. Wings indented grey-white; upper-pair black at the tip; lower-ones with a streak of yellow eyes beneath.

Inhabits *America.* *P. Laertes.* *Jones.* 5. *tab.* 46. *fig.* 1.

Upper-wings with a black lunule in the middle: *lower-ones* with black marginal lunules, beneath an abbreviated streak of 6 brown spots with a broad yellow iris and white pupil.

Stelenes. Wings indented brown with 2 greenish bands, one on the lower-wings entire.

Inhabits *America.* *Cramer.* 7. *tab.* 79. *fig.* A, B.

Larva green with a white and scarlet streak, the tail with 2 spines.

Gambrius. Wings indented, above black spotted and streaked with green; upper-pair with a macular snowy band.

Inhabits *India.* *Cramer* *Pap.* *tab.* 43. *fig.* F, G.

Head black dotted with white: *thorax* black with 3 cinereous bands: *abdomen* black the edges of the segments whitish: *upper-wings* striate with green at the base, in the middle 3 white hyaline spots, behind these a large macular white hyaline band; beneath grey at the base with a white hyaline band and spots: *lower-wings* beneath with indistinct bands of white spots at the tip.

Demophon. Wings indented, above black with a green band; beneath grey streaked with white.

Inhabits *Cayenne.* *Cramer.* 13. *tab.* 158. *fig.* A, B, C, D.

Nestor. Wings indented brown with a bright blue common disk and white spots; beneath with 3 or 4 eyes.

Inhabits *America.* *Cramer.* 2. *tab.* 19. *fig.* A, B.

Natural. *Miscel.* *tab.* 113. *Merian* *Sur.* 9. *tab.* 9.

Varies in the number and size of the ocellate spots.

Perseus. Wings indented pale blue, the tip black with ferruginous spots: beneath waved with 3 or 4 eyes.

Inhabits *Surinam.* *Cramer.* 6. *tab.* 71. *fig.* A, B.

Aristides. Wings indented brown spotted with yellow; lower-ones with 2 eyes beneath.

Inhabits *India.* *Jones* *Fig. pict.* 5. *tab.* 61.

Wings beneath yellowish waved with brown; lower-ones with 2 eyes, the pupil white.

Telemachus.

Telemachus Wings indented brown with a common blue radiate area, each with eyes beneath.
Inhabits America. Cramer. 32. tab. 373. fig. A. B. C.

Menelaus. Wings indented, above highly polished blue, beneath clouded brown with ferruginous eyes.
Inhabits America. Nat. Miscell. tab. 49.
Spots beneath with dark rings and white pupils.
Larva spinous yellow with rosy streaks and legs, head nut-brown: *pupa* pale with a cylindrical inflexed tail.

Teucer. Wings scalloped livid brown; beneath clouded and on the the lower-ones 3 eyes, the last very large.
Inhabits America. Cramer. 5. tab. 51. fig. A, B.
Larva chestnut-brown, 4-spined on the back, head spinous, tail bifid: *pupa* palish with 2 silvery spots each side.

Automedon. Wings angular scalloped brown; beneath livid with an eye at the angle of the tail.
Inhabits Surinam. Cramer. 33. tab. 389. fig. A, B.
Male with a blue gloss on the wings: beneath an oblique white streak at the base and a blueish eye towards the angle of the tail.

Hecuba. Wings indented; upper-pair red edged with black; lower-ones black; all of them ocellate beneath.
Inhabits Cayenne. Natur. Miscel. t. 167. Cram. t. 217. f. A, B.
Margin of the wings spotted with yellow each side: beneath undulate with brown black grey and ferruginous.

Metellus. Wings indented fulvous, the hind-part black: under-surface of the upper pair with 3 eyes, of the lower-ones with 5.
Inhabits Surinam. Cramer. 19. tab. 218. fig. A, B.
Hind-margin of the wings black with fulvous spots: beneath cinereous waved, the eyes with ferruginous rings and white pupil.

Idomeneus. Wings indented blue; upper-pair with a broad brown upper-margin and abbreviated white band: lower-ones with a large yellowish eye beneath.
Inhabits America. Natural. Miscel. tab. 164.
Cramer Inf. 5. tab. 52. fig. A, B Clerk. tab. 20. fig. 1.
Larva rufous verticillate with hairy tubercles: *pupa* toothed, with 2 incurved styles at the tip.

- *Io*. Wings angular indented fulvous spotted with black and large blue eye on each.
 Inhabits *Europe*. *Nat. Miscel. tab. 388. Leawin. tab. 4.*
Donovan's Eng. Inf. vi. tab. 206.
Wings dark chestnut-brown clouded beneath.
Larva spinous black dotted with white, *legs* ferruginous: *pupa* 10-toothed green with gold dots, hind behind.
- Polynice*. Wings angular indented fulvous tipped with black; beneath brown with blue streaks and eyes, 6 on the upper, 5 on the lower-ones.
 Inhabits *Sumatra*. *Cramer. 17. tab. 195. fig. D, E.*
Wings with white sinuities, lower-ones with 3 black dots before the margin and 4 fulvous spots behind.
- Almana*. Wings angular fulvous spotted with black; lower-ones with a larger eye and a double pupil; all nut-brown beneath.
 Inhabits *Asia*. *Cramer. 5. tab. 58. fig. F, G.*
- Asterie*. Wings indented varied with yellow; lower-ones with a larger eye and double pupil: beneath pale with about 3 eyes.
 Inhabits *India*. *Cramer. 5. tab. 58. fig. D, E.*
- Oenone*. Wings denticulate yellow edged with black; lower-ones blue at the base.
 Inhabits *Asia*. *Cramer. 3. tab. 35. fig. A, B.*
 The eyes in the wings are very various.
- Flirtea*. Wings subangular brown with fulvous spots and 2 eyes; lower-ones beneath ferruginous with about 3 eyes.
 Inhabits *India*. *Jones Fig. pict. 4. tab. 20. fig. 1.*
Upper wings with 3 fulvous spots, and a streak behind with 2 eyes, the pupil white; beneath fulvous at the base: *lower-wings* brown at the base with 2 eyes, the tip with marginal streaks; beneath with about 3 blue eyes.
- Lemonias*. Wings indented brown dotted with yellow, all of them with a single eye.
 Inhabits *India*. *Cramer. 3. tab. 35. fig. D, E, F.*
 Varies in having a double and single pupil, the eye with sometimes an approximate smaller one.
- Vellida*. Wings indented brown, with a fulvous band behind and 2 eyes.
 Inhabits *Amsterdam Island*. In the Museum of Sir *Jos. Banks*.

Antennæ pale, the club brown: *upper-wings* with 2 fulvous spots and 2 yellowish ones, the eyes black with a blue pupil; beneath varied with pale and fulvous: *lower-wings* with a fulvous lunule in the middle and band behind.

Orythia. Wings indented brown; all with 2 eyes above, upper-pair with a single eye beneath.

Inhabits *Jamaica*. *Cramer.* 2. *tab.* 21. *fig.* C, D. *t.* 19. *f.* C, D. Varies in having the disk of the *lower-wings* above blue or brown.

Clelia. Wings indented black; upper-pair with an interrupted white band and spot at the tip; lower-ones with a blue spot on the disk.

Inhabits *Guinea*. *Cramer.* 2. *tab.* 21. *fig.* E, F.

Upper-wings silky-black with a fulvous band in the middle, then a broad white band and a few spots behind, near the band is a small eye with a blue pupil; beneath variegated: *lower-wings* with a large blue spot on the disk and a small eye, the margin streaked with white, beneath cinereous with a broad brown band and darker subocellar spots.

Penelea. Wings indented; above brown; all with 2 eyes beneath.

Inhabits *Surinam*. *Cramer.* 9. *tab.* 101. *fig.* G.

Wings beneath variegated,

Zelima. Wings angular yellow subfasciate with brown; lower-ones with 6 eyes each side and a white streak beneath.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Upper-wings with 2 brown rings at the base and 6 small ferruginous eyes with a blueish pupil before the tip: *lower-wings* with 6 ferruginous eyes, the pupil blueish, before the margin.

Terea. Wings angular indented, above brown with a fulvous band and streak of white dots on the upper-pair, and of ocellate ones on the lower.

Inhabits *Sierra Leona*. *Cramer.* 12. *tab.* 138. *fig.* E, F.

Upper wings pale-brown at the base with 4 transverse black lines and 7 white dots: beneath yellowish at the base with darker bands, the tip brown with ocellar white dots: *lower-wings* with 7 ferruginous eyes, the iris and pupil black; beneath cinereous varied with yellow and ocellar black dots.

Laudice. Wings angular, above black with a greenish band each side including a streak of ocellar dots.

Inhabits *Guinea*. *Cramer.* 12. *tab.* 138. *fig.* G, H.

Upper-wings black at the base with fulvous spots, the margin white, the tip with a few white dots: *lower-wings* with 2 white lines at the angle of the tail: all of them variegated beneath.

Lampetia. Wings indented brown; upper-pair with a fulvous band: lower-ones with 6 blind eyes.

Inhabits *India*. *Cramer Inf. tab. 349. fig. A, B.*

Glyceris. Wings indented brown; upper-pair with a fulvous band; under-surfaces of the upper-pair with one, of the lower-ones with 2 blind eyes.

Inhabits *East India*. Large, brown.

Upper-wings with 2 white dots: *lower-wings* with a few marginal fulvous spots: all beneath marbled.

* *Megara.* Wings indented yellowish-brown with dark bands; upper-pair with a single eye; lower-ones with 5 eyes above and 6 beneath.

Inhabits *Europe*. *Donovan. viii. tab. 279. Lewin tab. 21.*

Eyes on the *wings* black with a white pupil.

Larva green with dark lines, tail bifid: *pupa* short-thick toothed green.

* *Ageria.* Wings indented brown spotted with yellow; upper-pair with an eye each side; lower-ones with 4 eyes above and dots beneath.

Inhabits *Europe*. *Lewin's Butterflies. tab. 19.*

Larva green with white lines, tail bifid: *pupa* short thick green with a rosy tinge.

Xiphia. Wings indented brown spotted with yellow; upper-pair with an eye each side; lower-ones with 3 eyes above and 4 beneath.

Inhabits *Madeira*. In the museum of Sir *Jos. Banks*.

All the *wings* indented, with white sinuities: *lower-wings* brown with a waved yellow spot in the middle, behind this 3 black eyes with ferruginous iris and black pupil, the fourth without iris or pupil; beneath brown at the base, an obsolete white band in the middle and grey at the tip with 4 eyes.

Minerva. Wings indented fulvous, the tip black spotted with white; lower-ones with 5 blind eyes above and 7 pupillate ones beneath.

Inhabits *America*. *Cramer. 10. tab. 116. fig. E, F?*

Upper-wings beneath grey with 2 ferruginous lines, a yellowish patch and 4 white spots: *lower-wings* with 5 brown eyes and marginal streak; beneath grey, the eyes with a whitish pupil.

Ocypte.

- Ocyptec.* Wings indented; above brown immaculate; beneath glaucous with 3 dark streaks, lower-ones with 5 eyes.
 Inhabits *Surinam*. *Cramer. Inf. 17. tab. 194. fig. F. G.*
Lower-wings with a marginal yellowish streak; *upper-wings* beneath with 2 obsolete minute eyes at the tip.
- Ocirrhoe.* Wings indented; above white tipped with brown; beneath brown with 2 white bands, lower-ones with 5 eyes.
 Inhabits *Surinam*. *Cramer 17. tab. 194. fig. D. E.*
Upper-wings beneath with 4 small eyes before the margin, the pupil white: the margin glaucous with 2 darker streaks: *lower-wings* beneath with 5 eyes before the margin, 1. 4. 5. black, 2, 3. brown with a double silvery pupil.
- Penelope.* Wings slightly indented brown with a single eye; lower-ones with 2 beneath.
 Inhabits *America*.
 All the *wings* above brown with a double silvery violet pupil of uncommon splendor; beneath clouded with cinereous and yellow, a single eye with a double silvery pupil on the upper-pair, and 2 approximate silvery spots each side the eye; 2 eyes with a double silvery pupil on the lower-pair and between them 2 approximate spots of the same colour.
- Aranea.* Wings slightly indented brown; lower-ones blueish with 5 eyes beneath
 Inhabits *Surinam*. *Cramer. 13. tab. 161. fig. C. D. ?*
Upper-wings with 2 oblique dark streaks beneath and 3 eyes towards the tip, the outer with a double pupil: *lower-wings* with 2 oblique brown streaks beneath.
- Athia.* Wings indented brown with a blue gloss; beneath fulvous with waved glaucous streaks and 5 blind eyes on the lower-ones.
 Inhabits *East India*; middle-sized.
Lower-wings with 3 submarginal fulvous streaks.
- Jatropha.* Wings angular pale with waved brown streaks; upper-pair with a single eye, lower-ones with 2.
 Inhabits *America*. *Cramer. 17. tab. 202. fig. E.*
- Laomedea.* Wings indented grey; upper-pair with 6 eyes; lower-ones with 5, some of them blind.
 Inhabits *India*. *Cramer tab. 8. fig. F. G. Drury 1. t. 5. f. 3.*
- Libye.* Wings indented brown; beneath lincate, with 6 eyes on the lower-ones, the pupil silvery.

Inhabits

Inhabits *India*. *Snlz. Hist. Inf. tab. 17. fig. 7.*
Upper-wings beneath with a single brown eye.

Hedonia. Wings indented, both sides alike, grey; each with 6 ferruginous eyes.

Inhabits *Asia*. *Cramer. tab. 69. fig. C. D. tab. 374. fig. E. F.*

Tullia. Wings indented brown with ocellar spots, beneath with a violet band which on the lower-ones has 2 eyes.

Inhabits *China*. *Cramer 7. tab. 81. fig. A. B.*

Ocellar spots on the *upper-wings* white with a blue iris: *lower-wings* paler, the spots with a rufous or yellow iris.

Moropis. Wings indented fulvous with a single eye and black tip; lower-ones beneath cinereous with 3 minute eyes.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Tip of the *upper-wings* with 2 yellowish spots, the eye black with a fulvous iris and blue pupil: *lower-wings* with 2 waved brown streaks, the eye between them with a yellow iris and blueish pupil.

Jole. Wings indented fulvous dotted with black; lower-ones with 5 eyes beneath, the last with a double pupil.

Inhabits *Guinea*. *Cram. 14. tab. 157. fig. E. F.*

Body fulvous: *upper-wings* with brown marginal streaks: *lower-wings* beneath yellowish with a blue band.

Hesione. Wings indented brown with an oblique white streak beneath; upper pair with 2 eyes; lower-ones including others within them.

Inhabits *Surinam*. *Cramer 1. tab. 11. fig. C. D.*

The eyes brown with a white pupil and fulvous iris surrounded with a black and blue ring,

Egea. Wings indented, above black with a common white band; lower-ones with 2 eyes beneath.

Inhabits *America*. In the Museum of Dr. Hunter.

Wings with a blue gloss at the base; *upper-wings* with 2 white spots towards the tip, beneath brown with white spots and a ferruginous lunule in the middle; *lower-wings* beneath with alternate white and brown bands at the base, the disk snowy with a 2-lobed, brown spot in which are 2 black eyes with ferruginous iris and blue pupil, the hind-margin yellowish.

Serina. Wings slightly indented, above green; lower-ones beneath with a white disk and 2 eyes.

Inhabits

Inhabits *America*. In the Museum of Dr. Hunter.
Wings above green with a brownish margin.

Posuerta. Wings indented green with brown spots and margin;
lower-ones beneath with white bands and 2 eyes.
Inhabits *America*. *Cramer tab. 254. fig. C. D. Jones t. 31. f. 1.*

Myliuta. Wings indented black with 3 macular white bands; lower-ones with 2 eyes.
Inhabits *India*. *Cramer 22. tab. 253. fig. C. D.*
Eyes on the lower-wings with a blue pupil: beneath all varied with brown and white and spotted with blue; *lower-ones* with 2 black eyes, the iris yellow and pupil blue.

Artemisia. Wings indented black; upper-pair with white spots; lower-ones with white bands, and 2 silvery eyes beneath.
Inhabits *America*. *Jones Fig. pict. 6. tab. 32. fig. 1*
Upper-wings beneath with an oblong yellow spot at the base: *lower-wings* beneath white at the base with a yellow streak, in the middle a blue band edged with black and marked with silvery blotches, behind this an abbreviated brown band containing 2 silvery eyes with a black ring, the hind-margin yellow with a silvery streak.

Dorimeze. Wings indented brown; beneath blue with black bands and and 3 pair of eyes
Inhabits *Surinam*. *Cramer 1. tab. 8. fig. B. C.*
Wings beneath with 6 eyes, the iris fulvous, pupil white, the first pair at the outer angle of the upper-wings, second pair at the outer margin of the lower-wings and third pair at the angle of the tail.

Janthe. Wings indented, above brown slightly barred with white; lower-ones with 5 blind eyes beneath.
Inhabits *Cayenne*. *Cramer 22. tab. 253. fig. F. G.*
Upper wings with white dots; beneath yellow at the base, brown at the tip and spotted with white: *lower-wings* with a macular white band: beneath yellowish with a white band and lunules, behind the middle are 5 black eyes with a yellow iris and without pupil.

Laethoe. Wings angular indented; lower-ones above brown with a white dot and 6 blue eyes beneath.
Inhabits *Surinam*. *Cram. 11. tab. 132. fig. A. B.*

Upper-

- Upper wings* fulvous, the tip brown, with 2 white dots beneath :
lower-wings beneath variegated with a white dot at the base
 and a nut-brown band in the middle in which are 6 blue eyes
 with a white pupil.

Gexerilla. Wings indented black spotted with white and a common
 rufous band ; lower-ones with 4 eyes.

Inhabits *New Zealand*. In the museum of Sir. *Jos. Banks*.

Antennae with a ferruginous dot at the tip,

Upper-wings with a ferruginous band at the base and white spots
 beneath brown at the base, the margin white transversely stri-
 ate, in the middle a rufous spot at the thick margin with a blue
 iris : *lower-wings* with 4 black eyes in the band, the pupil
 blueish ; beneath variegated, with 2 blind eyes.

Itea. Wings indented black ; upper-pair with a yellow band
 and dot ; disk of the lower ones rufous with 4 eyes.

Inhabits *New Zealand*. In the Museum of Sr. *Jos. Banks*.

Is probably only a variety of the last.

Portlandia. Wings indented brown ; lower-ones with 5 blind eyes above
 and 7 pupillate ones beneath

Inhabits *America*. In the museum of Mr. *Yeates*.

Upper-wings with a yellowish band towards the tip and 3 ocellar
 black spots ; beneath brown with darker streaks and a broad
 white band towards the tip in which are 4 black eyes with a
 yellow iris, the outer-ones with a white pupil : *lower-wings*
 with 5 black spots, the iris yellowish and without pupil ; be-
 neath with a white band towards the tip, a single black eye
 before it and 6 behind, the iris yellow, pupil silvery.

**Cardui.* Wings indented fulvous variegated with white and black ;
 lower-ones with 4 eyes beneath.

Inhabits *Europe*. *Donovan's Eng. Inf.* ix. tab. 292.

Lewen. tab. 6. Naturalist's Miscell. tab. 430.

Larva solitary spinous brown with yellow lateral lines : *pupa*
 brown with cinereous lines and gold dots.

Huntera. Wings subangular fulvous varied with white and black ;
 lower-ones ; beneath reticulate with white, with 2
 eyes.

Inhabits *America*. *Cram. Inf.* 1. tab. 12. fig E. F.

Larva green annulate with black.

Allionia. Wings indented brown ; upper-pair with 2 eyes, the poste-
 rior one blind.

Inhabits *Portugal*. *Cyrill. Ent. neap.* 1. tab. 2. fig. 13.

Wings

Wings beneath brown at the base with 2 darker streaks and paler at the tip, a white spot between the eyes; lower-ones beneath with 3 white dots and a larger black one instead of eyes.

Tulbaghia. Wings indented, both surfaces nearly alike, brownish with a yellow band; lower-ones with 5 eyes.

Inhabits the *Cape of good hope.* *Cramer.* 1. tab. 3. fig. E. F.

Pipileis. Wings crenate, both surfaces alike, black; disk of the lower-ones fulvous with 7 eyes.

Inhabits *India.* *Cramer.* 5. tab. 60. fig. A. B.

Claudia. Wings crenate black with a sanguineous patch; lower-ones fulvous with 7 eyes.

Inhabits *India.* *Natursf.* 9. tab. 2.

Feelers white tipped with black.

Upper-wings beneath red with a white spot and 5 marginal black ones, the tip black with a cinereous streak and 2 marginal spots; *lower-wings* beneath marbled at the base with black and cinereous, in the middle a flexuous yellow and blueish streak, behind testaceous with 7 black eyes, the pupil blue, margin with a black streak.

Blomfieldia. Wings indented yellow tipped with black; lower-ones beneath brown waved with white, with 4 eyes the middle-ones blind.

Inhabits *Brazil.* In the Museum of Sir *Jos. Banks.*

Upper-wings black at the tip with a blue gloss and 3 white spots; *lower-wings* with a marginal white streak; beneath 4 eyes towards the hind-margin, the outer-one black with a white pupil and ferruginous iris, 2 middle-ones greenish with grey iris, inner-one testaceous with a white pupil and black iris.

Bankia. Wings angular, above brown; disk of the upper-pair yellowish with a black eye in which is a double pupil.

Inhabits *New Holland.* In the Museum of Sir *Jos. Banks.*

All the *wings* angular, lurid: upper-pair with a black eye and double white pupil; lower-ones with a minute white dot at the angle of the tail. Beneath all chestnut-brown with darker specks and 2 streaks on the upper, one on the lower-pair; 3 very minute greenish dots on the lower and one on the upper-pair.

Solandra. Wings angular brown; upper-pair with an eye and contiguous smaller one; lower-ones with 2 above and 4 beneath.

Inhabits *Otakeite*. In the museum of Sir *Jos. Banks*.

Upper-wings with a yellow patch at the tip and brown eye with a double white pupil; beneath grey with 2 eyes: *lower-wings* with 2 approximate eyes, the iris yellow pupil black; beneath varied with grey and brown.

Polydecta. Wings indented brown; upper-pair with an eye; lower-ones with 2 above and 7 beneath.

Inhabits *Tranquebar*. *Cramer. 12. tab. 144. fig. E. F.*

Upper-wings with a black eye, the iris yellow and pupil white, beneath brown at the base with a white streak, the tip paler with 4 eyes.

Tolumnia. Wings indented black; lower-ones beneath with ferruginous and blue streaks and 5 eyes; the posterior one large.

Inhabits *India*. *Cramer. 11. tab. 130. fig. F. G.*

Upper-wings beneath with a blueish streak in the middle and small eye at the tip: *lower-wings* with a blueish spot and black dot; beneath blueish with 2 ferruginous streaks at the base.

Merna. Wings indented brown: lower-ones with 2 eyes each side and 3 white dots.

Inhabits *India*. In the Museum of Dr. *Hunter*.

Upper-wings with a white dot at the tip: *lower-wings* with 2 black blind eyes with a broad blue pupil; a blue spot at the angle of the tail. Beneath all blueish at the base with black spots, the tip brown with a cinereous streak, the eyes black with a blueish iris.

Juliana. Wings indented brown spotted with white; lower-ones with 2 eyes each side.

Inhabits *Amboina*. *Cramer. 24. tab. 280. fig. A. B.*

Upper-wings with 2 black lines in the middle and white spots and lunules behind: *lower-ones* spotted with white towards the margin, with 2 black eyes, the iris yellow pupil blue: beneath all variegated.

Leda. Wings angular brown, upper-pair with a double eye above: beneath reticulate with grey and 6 eyes on the lower-ones.

Inhabits *Sierra Leona*. *Cram. tab. 196. f. C. D. tab. 292. f. A.*
Wings sometimes beneath ferruginous immaculate.

Lena. Wings slightly indented brown; lower-ones black behind with white and blue dots, and eyes beneath.

2. Wings brown hyaline, lower-ones with 5. ocellar white dots.
 Inhabits *Cayenne*. *Cramer tab. 189. f. D. E. tab. 291. fig. A. B.*
 Male with the wings tailed as in *P. Philoctetes*.

Dyndimene. Wings indented brown; lower-ones above violet with 4 white dots.

Inhabits *Surinam*. *Cramer. 17. tab. 198. fig. F. G.*

Wings beneath grey with brown specks and 3 darker streaks, upper-pair with 2 white dots at the tip, lower-ones with an ocellar dot at the base and 5 white dots at the tip.

Luna. Wings indented brown with darker streaks; lower-ones with 2 eyes: all beneath with 4 white dots.

Inhabits *Surinam*. *Jones Fig. pict. 4. tab. 9. fig. 1.*

Body brown: segments of the *abdomen* yellow at the tip: *upper-wings* with 3 white dots: *lower-wings* darker at the tip with 2 black eyes, the hind-one blind: beneath with 2 like eyes and 3 white dots.

Iphita. Wings angular indented brown with darker bands; all with 5 eyes beneath.

Inhabits *China*. *Cramer 18. tab. 209. fig. A. B.*

Upper-wings with a white dot each side towards the tip: *lower-ones* with 2 nearly obsolete small eyes on the upper-surface.

Callisto. Wings indented black; lower-ones with a red band and 5 eyes above, 7 beneath.

Inhabits *Africa*. *Cram. 2. tab. 25. fig. A. B.*

* *Iris*. Wings indented brown with a blue gloss, and whitish interrupted band each side: all with a single eye, those on the upper-pair above blind.

Inhabits *Europe*. *Donovan. ii. tab. 37. Lerwin. tab. 16.*

Male spotted with white on the upper-wings and without the eye: female spotted on the upper-wings and marked with an eye which is half white. *Larva* green with 2 horns and oblique pale lines: *pupa* greenish, bifid at the tip.

Ilia. Wings indented with a blue gloss, and interrupted white band each side; all with a single eye.

Inhabits *Germany*. *Esp. tab. 37. fig. 1. tab. 43. fig. 1.*

Most probably a mere variety of the former.

Upper-wings with a distinct eye above.

Larva and *pupa* as in the last.

Beroë. Wings entire brown with a blue gloss; lower-ones with a single eye; beneath chestnut-brown with a reddish margin.

Inhabits *Austria*. *Esp. pap. tab. 46. fig. 1.*

Upper-wings with 2 white spots towards the tip; beneath 2 large black spots mixed with white towards the thicker margin.

Avia. Wings indented, both surfaces nearly alike, black with a streak of pale dots and a macular pale marginal band.

Inhabits *Africa*. In the Museum of Sir *Jos. Banks*.

Body large brown, head dotted with white: *wings* with a blueish patch near the rib: beneath paler.

Populi. Wings indented brown with white bands and spots: beneath yellow with white bands and blueish spots.

Inhabits *Europe*. *Esp. 1. tab. 12. fig. 1. Schaeff. tab. 40. f. 8. 9.*

Larva spinous variegated, head and tail fulvous: *pupa* yellowish dotted with black, with a gibbosity behind.

Chrysippe. Wings indented black with a common rufous patch; lower-ones beneath brown spotted with black.

Inhabits *New Holland*. In the Museum of Sir *Jos. Banks*.

Upper-wings with an abbreviated white band, beneath rufous at the base, thicker margin spotted with white and black; *lower-wings* beneath with an abbreviated white band and dot.

Cydippe. Wings indented black with white spots and a common rufous patch; the base beneath testaceous varied with black and blue.

Inhabits *India*. *Cramér. 6. tab. 62. fig. A. B.*

Marica. Wings indented testaceous, the tip black with a white band on the upper and blue spots on the lower-pair.

Inhabits *Africa*. *Jones. Fig. pict. 5. tab. 1.*

Body dull testaceous: *head* with 4 white dots: *upper-wings* black at the tip with a white band and 2 lunules; beneath glaucous at the base with transverse black spots, edged with white, in the middle a white band, the tip grey with 2 white lunules: *lower-wings* with yellowish spots on the margin; beneath grey with 3 yellow spots surrounded with a white and black ring, in the middle an interrupted white streak inclosed in a black one, towards the tip greenish spots.

Albea. Wings indented brown with an angular indented white band and streak.

Inhabits

Inhabits *Guinea*. *Cramer*. 8. *tab.* 89. *fig.* E. F.

Wings brown at the base : upper-pair with 2, lower-ones with one ferruginous spot : beneath yellowish with black marks.

Amphiceda. *Wings* indented brown, the common disk cinereous with brown waves ; beneath grey at the tip with black lunules.

Inhabits *Guinea*. *Cramer* 13. *tab.* 146. *fig.* D. E.

Wings beneath pale at the base with rufous spots and wavy lines.

Pantefilia. *Wings* indented black with white spots and a common rufous patch ; lower-ones beneath with yellow bands and a white one spotted with black.

Inhabits *India*. *Cramer*. 13. *tab.* 145. *fig.* B. C.

All the *wings* with white lunules, the common rufous patch with marginal black dots : upper-pair beneath with 3 transverse white spots including black ones at the base, the tip variegated, margin black with a flexuous yellow streak.

Berenice. *Wings* indented black with a common red band ; lower-ones beneath spotted with black white ferruginous and yellow.

Inhabits *Sierra Leona*. *Cramer* 27. *tab.* 315. *fig.* B. C.

Feelers white tips with black : *thorax* black dotted with white at the tip : upper-wings with a few black dots in the band : beneath reddish spotted with black, the tip brown striate with white : lower-wings with a few red lunules and white dots at the hind margin ; beneath variegated, the base white dotted with black.

Semire. *Wings* indented, both surfaces nearly alike, with a green band and fulvous spots, the base fulvous dotted with black.

Inhabits *Sierra Leona*. *Cramer*. 17. *tab.* 194. *fig.* B. C.

Wings fulvous at the base with black dots, in the middle a broad macular green band, a single band of fulvous spots in the upper pair and 2 in the lower ; the lower-wings beneath have but one macular band.

Cyane. *Wings* indented black ; upper-pair with a white band ; disk of the lower-ones white dotted with black.

Inhabits *India*. *Cramer*. 25. *tab.* 295. *fig.* C. D.

Vicillia. *Wings* indented black ; beneath spotted with white.

Inhabits *Ambouina*. *Cramer* 30. *tab.* 349. *fig.* E. F.

Some

Some of the spots beneath with a blue iris, the margin with whitish streaks.

Zenobia. Wings indented black with a common white band and marginal spots; base of the lower-ones beneath yellow streaked with black.

Inhabits *Sierra Leona*. Jones Fig. pict. 1, tab. 68.

Indentations of the wings white.

* *Antiopa.* Wings angular indented black-brown with a whitish border, behind which is a row of blue spots.

Inhabits *Europe*. Donovan. iii. tab. 89, *Lewin*. tab. 1.

Larva gregarious spinous black with square ferruginous dorsal spots: *pupa* toothed dark brown with fulvous spots.

Castia. Wings angular indented; upper-pair black, the base purple with a fulvous spot.

Inhabits *India*. Jones Fig. pict. 5. tab. 34. fig. 1.

All the wings beneath brown at the base and ferruginous at the tip.

Pythia. Wings angular indented brown with a white spot on the upper-pair: beneath grey with a streak of black dots on the lower-ones.

Inhabits *Guinea*; middle-sized.

Zingha. Wings angular indented brown, the tip black with blue streaks and a macular fulvous one.

Inhabits *Sierra Leona*.

Fulvous band in the *upper-wings* terminated by 2 white dots, at the middle of the thicker-margin is a fulvous spot surrounded with blue; beneath all waved with brown and cinereous with an obsolete ferruginous band and ocellar dots.

Protegenia. Wings indented fulvous, the border black spotted with white.

Inhabits *Java*. Cramer. 16. tab. 199. fig. F, G.

Indentations of the wings white: beneath brown speckled with ferruginous, upper-pair with a white spot at the tip, lower-ones with a white dot and cinereous band.

Ameisrit. Wings angular indented black with rufous and blue lunules, beneath darker.

Inhabits *India*. Jones Fig. pict. 5. tab. 12. fig. 2.

Upper-wings with 2 rufous and 2 blue spots in the middle, behind these a streak of rufous lunules ending at the anterior margin in 2 white dots, then a streak of blue lunules: *lower-wings* with a streak of blue lunules at the tip.

Beneath brown waved with black and an obsolete streak of cinereous dots.

Lamina. Wings angular black with a common white band each side ; beneath spotted with rufous.

Inhabits *India*. *Jones Fig. pict. 5. tab. 32. fig. 1.*

All the *wings* with marginal blue lunules, upper-pair with 2 white dots at the tip : *upper-wings* beneath with 2 rufous spots at the base and 5 at the tip ; *lower-ones* with 4 rufous spots at the base and a row of 7 rufous ones at the tip.

* *Atalanta.* Wings indented black ; upper-pair with a red band and white spots ; lower-ones bordered with red behind.

Inhabits *Europe*. *Donovan's Eng. Inf. viii. tab. 260.*

Naturalist's Miscel. tab. 157. Lewin. tab. 7.

Red border of the *lower-wings* spotted with black.

Larva solitary spinous greenish with a lateral yellowish line : *pupa* toothed, beneath cinereous with gold dots.

Archesia. Wings indented brown with a common fulvous band which on the upper-pair is half blue.

Inhabits *Java*. *Cramer. 19. tab. 219. fig. D, E.*

In the band on the *upper-wings* are 3 white dots and 5 on the *lower-ones*.

Charonia. Wings indented black with a blueish band.

Inhabits *India*. *Cramer. 4. tab. 47. fig. A, B, C.*

In the blue band are a few black dots : *wings* beneath variegated.

Biblis. Wings indented, both surfaces alike, black ; lower-ones with a macular red band.

Inhabits *America*. *Cramer. 20. tab. 236. fig. E, F.*

Band composed of 7 red spots which are emarginate at the tip.

Hyperia. Wings indented black spotted with white ; lower-ones beneath with yellow spots and a rufous band in the middle.

Inhabits *India*. In the British museum.

Feelers with a lateral white line : *upper-wings* beneath with a rufous spot on the rib at the base, 4 white spots and 2 streaks of white dots, and a streak of yellow ones behind : *lower-wings* with a few white spots, and lunules at the margin : beneath spotted with yellow at the base, in the middle a band of 6 rufous spots, then a streak of white dots, and lastly a streak of yellow ones.

Profope. Wings indented brown with a common fulvous band which on the upper-pair has 2 black dots.

Inhabits

Inhabits *New Holland*. In the museum of Sir *Joseph Banks*.

Antennæ black, beneath ferruginous: *upper-wings* with a fulvous spot or two at the tip, beneath a streak of black dots behind: *lower-wings* beneath with a waved white streak behind and 5 black dots with an obsolete ferruginous ring.

Echo. Wings indented brown; all beneath with a row of white dots.

Inhabits *Surinam*. *Cramer*. 5. tab. 57. fig. C, D.

Upper-wings with a ferruginous spot towards the tip.

Offavia. Wings indented brown, the disk angular fulvous dotted with black: beneath with yellow spots at the base.

Inhabits *Sierra Leona*. *Cramer* 12. tab. 135. fig. B, C.

Abdomen fulvous with black rings: border of the *wings* above brown with marginal white lunules, of the upper-pair with a few fulvous and blue dots, of the lower-ones with blue streaks and angle of the tail: all beneath black at the base spotted with yellow, white in the middle, the margin fulvous with a streak of black dots and 3 rows of white lunules behind.

Lubentina. Wings indented obscure green spotted with white black and rufous.

Inhabits *China*. *Cramer*. 13. tab. 155. fig. C, D.

Upper-wings with 2 black spots at the base, in the middle 2 rufous transverse spots including a white one, then a macular white band, the tip streaked with brown with 4 white dots: *lower-wings* with 3 black spots at the base, the tip with 2 bands of black spots some of them with a rufous centre.

Janaffia. Wings scalloped green bronzed with black dots on the upper-pair: beneath yellowish with black dots at the base.

Inhabits *Africa*. In the museum of Dr. *Hunter*,

Upper-wings with a white dot at the tip: all beneath with a black streak behind.

* *Polychlo-* Wings indented fulvous, spotted with black; upper-pair
ros. with 4 black dots above.

Inhabits *Europe*. *Donovan*. viii. tab. 278. *Levin*. tab. 2.

Lower-wings beneath blackish with a pale central spot.

Larva gregarious spinous, flesh-colour with lateral blackish lines:
pupa flesh-colour.

V. album. Wings angular fulvous spotted with black, all with a white spot above; lower-ones with a white lunule beneath.

Inhabits *Europe*. *Esp.* *Pap.* 62. fig. 3.

Lower-

Lower-wings without the marginal blue lunules.

Larva spinous with interrupted yellow and black lines, head black.

- * *Urticæ*. Wings angular fulvous spotted with black; upper-pair with 3 black dots, the inner-one square.

Inhabits *Europe*. *Donovan*. ii. *tab.* 55. *Lewin*. *tab.* 3.

Upper-wings with alternate black and pale orange short bands below which are 3 black spots, the inner-one square: *lower-wings* with a large common black patch at the base: the margin of all of them black with blue spots.

Larva spinous varied with brown and green, head black: *pupa* toothed brown with gold dots.

This insect and many others of its family as *P. Atalanta*, *Polychloros*, *Io*, &c. soon after their enlargement from the chrysalis state, discharge a few drops of reddish-coloured fluid, which in places where they have appeared in large numbers, has had the appearance of a shower of blood, and been recorded by writers as a prodigy preceding some extraordinary event.

- Clytemnestra*. Wings angular black; beneath spotted with white; upper-pair with a yellow band each side.

Inhabits *Surinam*. *Cram.* *tab.* 137. *fig.* A, B. *tab.* 364. *fig.* A, B.

Lower-wings beneath a little ferruginous at the tip.

- Dirce*. Wings angular brown; upper-pair with a yellowish band: beneath undulate with black.

Inhabits *India*. *Cramer*. 18. *tab.* 212. *fig.* C, D.

Lower-wings obtusely angled.

- Iris*. Wings indented; upper-pair black with a red spot on the disk: all with green lines beneath.

Inhabits *India*. *Jones Fig. pict.* 5. *tab.* 34. *fig.* 2.

Upper-wings beneath with a broad flesh-colour band: *lower-wings* with a whitish streak towards the margin.

- Oisfs*. Wings angular blue; upper-pair with a black spot and margin; beneath dusky.

Inhabits *India*. *Jones Fig. pict.* 5. *tab.* 101. *fig.* 2.

- Pragme*. Wings indented fulvous with black dots and margin, the latter dotted with white: beneath grey.

Inhabits *South America*. *Cramer*, 1. *tab.* 5. *fig.* E, F.

- * *C. album*. Wings angular fulvous spotted with black: lower-ones beneath marked with a white C.

Inhabits *Europe*. *Donovan*. vi. tab. 199. *Lewin*. tab. 5.

Larva solitary spinous fulvous, the back yellow before and black behind: *pupa* flesh-colour, contracted in the middle with gold dots.

Triangulum Wings angular fulvous, the disk dotted with black; lower-ones beneath cinereous with white waves and a white angle in the middle.

Inhabits *Italy*. *Cramer*. 7. tab. 78. fig. C, D.

Antennæ black with a ferruginous dot at the tip: margin of the upper-wings streaked with yellow.

Merione. Wings indented fulvous edged with brown; lower-ones beneath brown with white and blue spots and streaks.

Inhabits *Surinam*. *Cramer*. 15. tab. 180. fig. E, F.

Upper-wings beneath yellowish with 3 fulvous lines, the tip brown with an ocellar blue spot and waved streak: *lower-wings* sub-ferruginous in the middle with a white dot at the base, 2 white lunules in the middle and 4 white spots behind then a white and blue waved streak.

Ariadne. Wings angular fulvous with undulate black streaks; upper-pair with a white marginal dot.

Inhabits *Java*. *Cramer*. 12. tab. 144. fig. G, H.

Wings brownish beneath with darker bands.

Bolina. Wings indented black; upper-pair with 2, lower-ones a single blue-white spot: beneath ferruginous with a white band.

Inhabits *East India*. *Cramer*. 6. tab. 65. fig. E, F.

Thecla. Wings indented black with a white blue spot and all with a streak of white dots: beneath brown with a white band.

Inhabits *India*. *Cramer*. 16. tab. 190. fig. A, B.

Head black with 4 white dots: *upper-wings* with a white spot at the tip: all beneath with a white band and streak of white dots, the margin streaked with white.

Lafnassa. Wings indented black with a shining blue spot; beneath brown with white lunules.

Inhabits *Asia*. *Cramer*. 18. tab. 200. fig. A, B.

Clytia. Wings indented black: outer-margin of the upper-pair spotted with white: lower-ones with a triple row of white and yellow spots.

Inhabits

Inhabits *India*. Both surfaces alike.

Body black spotted with white; angle of the *tail* fulvous with a black spot.

Cocytia. Wings scalloped indented brown; lower-ones blueish at the tip.

Inhabits *India*. Jones Fig. pict. 2. tab. 64. fig. 2.

Undularis. Wings indented, above brown; lower-ones ferruginous at the tip with a white dot beneath.

Inhabits *Coromandel*. Cramer. 22. tab. 256. fig. A. B.

Upper-wings spotted with blue at the tip.

Monina. Wings indented brown; lower-ones pale chestnut, blueish at the angle of the tail with a black streak.

Inhabits *East India*; half the size of the last.

Upper-wings with a few obsolete ferruginous spots at the base: all beneath cinereous with black lunules at the base and streak behind.

Hiarba. Wings indented black with a common white band which is abbreviated on the upper-pair.

Inhabits *India*. Jones Fig. pict. 5. tab. 79. fig. 2.

Wings beneath flesh-colour with darker spots surrounded with white.

Amathea. Wings angular indented; above brown with white dots, a red band and waved black line.

Inhabits *Guyenne*. Cramer Inf. 18. tab. 209. fig. A, B.

Melcagris. Wings slightly indented dotted with white, above brown, beneath yellowish.

Inhabits *Africa*. Cramer. 6. tab. 66. fig. A, B.

Some of the dots on the wings beneath including black ones.

Melantha. Wings indented above brown dotted with white; beneath pale chestnut.

Inhabits *Guinea*. In the museum of Sir Jos. Banks.

Wings with a streak of darker dots beneath.

Leucotboe. Wings indented, above brown with 3 white bands; beneath yellow with 3 white bands marked with black.

Inhabits *Asia*. Cramer. 17. tab. 203. fig. E. F.

Medea. Wings indented falcate black with 3 macular yellow bands; angle of the tail red.

Inhabits Surinam. Cramer. 8. tab. 90. fig. E. F.

Antennae obtuse filiform: upper-wings with a small rufous dot near the tip. Beneath variegated with brown and white.

Blandina. Wings indented black spotted with white; upper-pair with a blue streak at the base, lower-ones with a marginal blue streak.

Inhabits India. Jones Fig. pict. 5. tab. 10. fig. 1.

Body black with a white dot or two: wings beneath cinerous, the upper-pair spotted with white.

Amalia. Wings indented, above brown; beneath yellow with 2 blue streaks and dots marked with black on the lower-ones.

Inhabits Sierra Leona. Jones Fig. pict. 5. tab. 11. fig. 1.

All the wings above brown with a fulvous hue, lower-ones with a streak of obsolete fulvous dots. Beneath yellow, upper-pair with a black spot at the tip and 2 blue dots marked with black; lower-ones with 2 streaks 7 dots and hind-margin, all blue marked with black.

Hostilia. Wings indented brown; the base fulvous dotted with black; upper-pair spotted with yellow at the tip.

Inhabits Sierra Leona. Jones Fig. pict. 5. tab. 81. fig. 1.

Body black: thorax with 2 rufous lunules: lower-wings fulvous streaked with black at the base, the margin and an angular streak black.

Nauplia. Wings slightly indented, both surfaces nearly alike, black; upper-pair with 4 white spots above, lower-ones with a white band.

Inhabits South America. Cramer, tab. 317. fig. D, E, F, G.

Heliodore. Wings indented fulvous with 3 black bands.

Inhabits Siam. In the museum of Sir Jos. Banks.

Middle band common to both pair of wings, the margin black with a fulvous streak: beneath pale fulvous with black streaks.

Ophione. Wings indented brown spotted with white; beneath with numerous black ocellar spots.

Inhabits Guinea Cramer. 10. tab. 114. fig. E, F,

Ilithuria. Wings indented fulvous with black bands; lower-ones beneath with white bands spotted with black.

Inhabits India. Cramer. 18. tab. 213. fig. A, B. 1. 217. f. C, D.

Lower-wings with 2 white bands at the base, the anterior of which has 2 lines of black dots, the posterior one line, then a black band dotted with white; the margin black with a white streak.

Amphinome Wings indented black clouded with blue; upper-pair with a white band each side; lower-ones beneath radiate with red.

Inhabits *South America*. *Cramer*. 5. tab. 54. fig. E. F.

Opis. Wings indented brown; upper-pair reticulate, lower-ones barred with yellow.

Inhabits *Sierra Leona*. *Cramer*. 12. tab. 138. fig. A, B.

Wings with a common yellow band in the middle which is abbreviated on the upper-ones; *upper pair* spotted with yellow, the tip reticulate, with a streak of white dots; beneath variegated with brown blue black and yellow: *lower-wings* reticulate behind the band: the tip beneath yellow with 2 brown curves.

Crithea. Wings indented brown with ocellar spots; lower-ones beneath cinereous with 2 brown spots and a streak.

Inhabits *Sierra Leona*. *Cramer* 12. tab. 138. fig. C. D.

Upper-wings with black ocellar spots, the iris yellow and a few yellow lines; beneath pale at the base with black lunules, the tip brown with a blue lunule: *lower-wings* with yellowish streaks, the inner-margin yellow.

Pbegea. Wings indented brown; upper-pair with a ferruginous or white band; disk of the lower-ones ferruginous or white; beneath paler waved with black.

Inhabits *India*. *Jones Fig. pict.* 5. tab. 21.

Body black dotted with white: *abdomen* ferruginous.

Salmasis. Wings indented black radiate with blue; beneath brown with a white band.

Inhabits *Africa*. *Jones Fig. pict.* 5. tab. 63. fig. 1.

All the *wings* with a few white dots at the tip: beneath with black veins and a white band and streak.

Pelea. Wings indented black; upper-pair with arrow-shaped white and black spots; beneath cinereous with black lunules.

Inhabits *East India*.

Upper-wings with a few black lunules at the base: *lower-wings* with a white patch at the inner margin.

Nerina.

Nerina. Wings indented black with a white band which on the upper-pair ends in a rufous spot.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Antennæ black, the club ferruginous at the tip : *head* black with 4 white dots : *breast* ferruginous spotted with white : *abdomen* beneath brown with 2 lines of whitish dots : *upper-wings* with a few white marginal dots, beneath 2 white lunules at the thicker margin : hind margin or the *lower-wings* spotted with white, beneath white marginal lunules.

Venilia. Wings indented brown with a common white curved band blueish at the edges.

Inhabits *India*. *Cramer* 19. *tab.* 219. *fig.* B. C.

Alimena. Wings indented black with an interrupted blue band, each with 7 white marginal dots.

Inhabits *India*. *Cramer* 19. *tab.* 221. *fig.* A. B. C.

Phærusa. Wings indented fulvous with 3 brown bands, those on the upper-pair longitudinal, on the lower-ones transverse.

Inhabits *India*. *Cramer* 11. *tab.* 30. *fig.* B. C.

Agatha. Wings indented, above fulvous, beneath glaucous ; lower-ones with one black dot above and 3 beneath.

Inhabits *India*.

Upper-wings brown at the tip : *lower-wings* with 3 white lunules at the base.

Laura. Wings angular indented brown, with a common band which is fulvous on the upper-half and and snowy on the lower ; lower-ones beneath silvery with a snowy band.

Inhabits *Jamaica*. *Drury Inf.* 2. *tab.* 17. *fig.* 5. 6.

Lydia. Wings indented yellow, black above the margin ; beneath with a streak of black dots.

Inhabits *Surinam*. *Cramer*. 13. *tab.* 148. *fig.* C. D.

Upper-wings beneath yellow at the base with a fulvous streak, the tip darker with a streak of 6 black dots, the margin with a black streak : *lower-wings* dusky with a yellow band 5 ferruginous spots and a black lunule, the tip black with 2 paler streaks ; beneath yellow at the base with a fulvous streak, the middle paler with a fulvous band and in this a streak of cinereous lunules and black dots, the tip with a fulvous cinereous and yellow streak.

Iphicla.

- Ipbicla.* Wings indented, above brown with a common white and ferruginous spot at the angle of the tail.
Inhabits *South America.* *Cramer.* 16. tab. 188. fig. D, E, F.
- Liberia.* Wings indented fulvous; upper-pair with a black curve at the tip; lower-ones with a black dot above and 3 ocellar ones beneath.
Inhabits *India.* *Jones Fig. pict. 5. tab. 15. fig. 1.*
Two of the dots on the *wings* beneath with a white pupil, the middle one simple.
- Amasia.* Wings indented green; lower-pair with marginal black dots above and eyes beneath.
Inhabits *Surinam.* *Drury Inf. 3. tab. 6. fig. 3.*
Body green: *antennæ* black: *upper-wings* beneath white at the tip with 2 black dots: *lower-wings* beneath with 5 marginal white dots, the pupil black.
- Ethiopa.* Wings indented blue; tip of the upper-pair black dotted with white.
Inhabits *Africa.* *Jones Fig. pict. 5. tab. 36. fig. 1.*
Body black, edges of the segments rufous: *wings* beneath blue with a brown margin.
- Veronica.* Wings indented, above greenish, beneath ferruginous with a paler band.
Inhabits *Guinea,* *Jones Fig. pict. 5. tab. 36. fig. 2.*
Body black, margins of the *abdomen* fulvous: *upper-wings* with obsolete darker bands above: *lower-wings* with a streak of white dots in the pale band.
- Gnidia.* Wings indented testaceous; upper-pair brown at the tip with a white band; lower-ones with a fulvous streak and black lunules.
Inhabits *India.* *Jones Fig. pict. 5. tab. 37. fig. 2.*
Upper-wings with 2 brown rings, then a white band, the tip brown with a few white dots, beneath with a white band and dots: *lower-wings* testaceous with a fulvous band in which are black lunules; beneath with a black dot at the base and streak behind of white black dots.
- Persea.* Wings indented oblong black spotted with yellow and with a common red disk.
Inhabits *India.* *Jones Fig. pict. 5. tab. 90. fig. 2.*
Body black dotted with white.

Nærea. Wings indented, above brown spotted with white beneath with white spots furrounded with a red line.

Inhabits *India.* *Cramer.* 7. *tab.* 75. *fig.* C. D.

2. Wings slightly tailed black; upper-pair with 2 red spots; disk of the lower-ones edged with red.

P. Tiphia. *Cram.* 1. *tab.* 7. *fig.* D. E.

Angle of the tail red in both.

Procris. Wings indented fulvous with black spots and a white band, beneath variegated.

Inhabits *China.* *Cramer.* 9. *tab.* 106. *fig.* E. F.

Hind-margin of the wings with 2 white streaks: beneath green at the base, then varied with white fulvous and black.

Maja. Wings indented brown; upper-pair spotted with white, lower-ones immaculate.

Inhabits *Brazil.* *Cramer.* 14. *tab.* 167. *fig.* E. F.

Male. antennae brown annulate with white, the club fulvous at the tip: lower-wings beneath, grey with 4 greenish obsolete dots. *Female.* Wings above with a blue gloss and obsolete white spots.

Erymanthis Wings indented fulvous; upper-pair black at the tip with a yellow band; lower-ones with black lunules above and a streak of ocellate dots beneath.

Inhabits *China.* *Drury.* 1. *tab.* 15. *fig.* 3. 4.

Upper-wings with a yellow band in the middle and a few black dots, the tip black with a few yellow spots; wings with a streak of black dots and 2 of lunules. Beneath paler with yellow waves and a few black dots on the upper-pair, on the lower-ones a streak of black dots with a violet and white lunule.

Carinenta. Wings falcate indented brown spotted with yellow; upper-pair black at the tip with 4 white spots.

Inhabits *Surinam.* *Cramer.* 9. *tab.* 108. *fig.* E. F.

Upper-wings with 2 oblong yellow spots in the middle; beneath fulvous at the base, brown in the middle; spotted with white, the tip blueish speckled with black: lower-wings above brown with a large yellow spot, beneath blueish speckled with black.

Martha. Wings indented varied with brown and fulvous; upper-pair with 3 rows of white lunules: lower-ones with a white band.

Inhabits *Siam.* In the museum of Sir *Jos. Banks.*

Club of the antennae with a white spot at the base: wings beneath pale with white bands and a black patch at the base.

Celtis. Wings angular indented brown with fulvous spots and a single white one ; lower-ones beneath grey.
 Inhabits *Southern Europe.* *Esp. Pap. tab. 87. fig. 2. 3.*
Lower-wings with a fulvous spot only, beneath grey with a small central white line.
Larva green with black spots and white lines : *pupa* green with white lines.

F. album. Wings angular indented fulvous spotted with brown ; lower-ones with a snowy line beneath.
 Inhabits *Russia.* *Esp. pap. tab. 87. fig. 1.*
 Margin of the *upper-wings* brown : *lower-wings* with a large snowy spot in the middle ending at the base in a brown dot, the tip yellowish.

Harpyja. Wings falcate indented brown with a common blueish band dotted with black ; beneath pale chestnut with a brown streak.
 Inhabits *Africa.* In the museum of Sir *Jos. Banks.*
Upper-wings with a few ferruginous spots at the base of the upper-margin and edged with fulvous behind, beneath a white dot at the tip . *lower-wings* with a ferruginous band at the end of the blueish one, beneath a few subocellar small white dots

Melissa. Wings indented brown ; lower-ones beneath marbled with grey.
 Inhabits *America.* In the Museum of Sir *Jos. Banks.*
Lower-wings beneath varied with white and black.

Elea. Wings indented brown ; upper-pair with a fulvous band, lower ones with a white one.
 Inhabits *India.* *Cramer tab. 242. fig. D. E. and F. G.*

Mesenteria. Wings indented brown ; upper-pair with a fulvous band above and blue central spots beneath.
 Inhabits *Surinam.* *Cramer 14. tab. 162. fig. B. C.*
Upper-wings beneath yellowish at the base, in the middle 6 blue spots annulate with black, then rufous, the tip brown with darker streaks : *lower-wings* beneath yellowish at the base with 3 black lines and behind these striate brown.

Niphe. Wings indented yellow ; tip of the upper-pair black with a white band ; lower-ones beneath silvery with 5
 yes.
 Inhabits *China.* *Cramer. tab. 12. fig. B. C. D.*
Drury. Inf. tab. 6: fig. 2.

2. Wings above fulvous spotted with black without the black tip and white band.

Cramer. tab. 14. fig. D, E. Drury. 1. tab. 6. fig. 2.

Thyelia.

- Wings indented fulvous spotted with black; lower-ones beneath with a white band and 2 scarlet dots at the base.

Inhabits India. *Jones Fig. pict. 5. tab. 83. fig. 2.*

Upper-wings beneath yellow at the base with 2 scarlet spots annulate with black, the first double, the lower-one transverse, the tip with a brown band and 3 white spots.

- * *Paphia.* Wings indented fulvous spotted with black; lower-ones with silvery bands beneath.

Inhabits Europe. *Donovan. vii. tab. 257. Lewin. tab. 9.*

2. Cinereous spotted with black.

Inhabits Russia. *Esp. Pap. tab. 60. fig. 4.*

Lower-wings beneath green with pale silvery bands.

Larva solitary spinous, fulvous with a yellow dorsal line and 2 long spines on the neck: pupa grey contracted at the neck.

Cynara.

- Wings indented green spotted with black: lower-ones beneath green with 3 silvery spots and 2 bands.

Inhabits the East. *Cramer. 3. t. 25. f. B, C. Esp. t. 58. f. 1. 2. 3.*

All the wings edged with yellow above: lower-wings beneath with sometimes 3 silvery dots between the bands.

Cethosia.

- Wings indented fulvous spotted with black; lower-ones beneath brown at the tip with glaucous gloss and ending in an interrupted silvery band.

Inhabits Russia. *Schneider. Pap. tab. 1. fig. 1. 2.*

Upper-wings with a white dot towards the tip; beneath yellowish with black spots and a streak of obsolete silvery dots: lower-wings beneath yellowish at the base with a pale chestnut streak inclosing a lesser one, in the middle a silvery streak.

Cytherea.

- Wings crenate brown; upper-pair with a fulvous band; lower-ones with a common silvery one; beneath with a lanceolate silvery band.

Inhabits India. *Cramer 32. tab 376. fig. C. D.*

* *Aglaja.*

- Wings indented fulvous spotted with black; beneath 21 silvery spots.

Inhabits Europe. *Lewin, tab. 11. Wilks tab. 21 a. 12.*

Larva.

Larva solitary spinous, black with square lateral ferruginous spots: *pupa* reddish brown very much contracted at the neck.

Aphrodite. Wings indented fulvous spotted with black; lower-ones beneath brown with 24 silvery spots.

Inhabits *South America*.

Antennæ ferruginous, the club black with a ferruginous tip: *upper-wings* with 4 silvery dots at the tip beneath.

Myrina. Wings indented fulvous spotted with black, beneath with 30 silvery spots.

Inhabits *North America*. Cramer. 16. tab. 151. fig. B. C.

Upper-wings beneath with 9 silvery spots, lower-ones with 21 and a streak of ocellate dots behind.

Cybele. Wings indented fulvous spotted with black; beneath with 34 silvery spots.

Inhabits *America*. Cram. 5 tab. 57. fig. E. F.

Beneath 8 dots on the *upper-wings* and 26 on the lower, the latter with a yellow band before the margin.

Idalia. Wings indented fulvous spotted with black, beneath with 37 silvery spots; lower-ones above blue dotted with white.

Inhabits *North America*. Cramer. 4. tab. 44. fig. D. E. F. G.

Antennæ fulvous with a black club: *upper-wings* with 11, lower with 16 silvery spots. The other Sex has the margin of the *upper-wings* dotted with white and the dots on the *lower-ones* are yellow.

Diana. Wings indented brown with a common black disk; lower-ones beneath with 9 silvery spots.

Inhabits *Virginia*. Cramer. 2. tab. 98. fig. D. E.

Upper-wings black at the base, the tip fulvous with 2 streaks of dots; beneath spotted on the disk. *Lower-wings* black at the base, the tip fulvous with a streak of black dots; beneath brown at the base with 2 silvery bands, the tip yellowish with 7 lunules.

* *Adippe.* Wings indented fulvous spotted with black; beneath 28 silvery spots.

Inhabits *Europe*, Lewin. tab. 10. Esp. tab. 18. fig. 1

Lower-wings with a row of ferruginous dots, most of them with a silvery pupil; the margin green. *Larva* brown spinous with lateral red marks and a dorsal black line including a white one: *pupa* reddish-brown with silvery dots.

**Lathonia.* Wings slightly indented pale fulvous spotted with black ;
beneath with 37 silvery spots.

Inhabits *Europe.* *Donovan.* iii. tab. 73. *Lewin* tab. 12.

Larva spinous brown with darker spots and a white dorsal line ;
pupa brown before, greenish behind.

**Euphrosyne.* Wings indented pale fulvous spotted with black ; beneath
with 9 silvery spots.

Inhabits *Europe.* *Lewin* tab. 13. *Esch.* 1. tab. 18. fig. 3.

Larva spinous black with a pair of dorsal orange spots on each
segment.

Selene. Wings indented fulvous spotted with black ; lower-ones
beneath with 12 silvery spots, a distinct black dot at
the base and streak behind.

Inhabits *Fr. l.* *Ernst.* *Inf. Europ.* 1. tab. 19 fig. 19.

Lower-wings beneath with a silvery spot at the angle of the tail
and others opposite at the outer margin, 2 large pale chestnut
spots behind and near these a streak of black dots.

Niobe. Wings indented fulvous spotted with black ; beneath with
pale spots and 3 silvery ocellate ones.

Inhabits *Europe.* *Esch.* 1. tab. 18. fig. 4. *Schaeff.* t. 208. f. 1. 2.

Instead of pale spots are sometimes silvery-ones.

Larva spinous, the spines white, brown with yellow spots in
lines.

Columbina. Wings indented fulvous spotted with black ; lower ones
beneath with 2 silvery streaks

Inhabits *America.* *Jones* *Fig. pict.* 5. tab. 7. fig. 2.

Lower-wings beneath with a few black dots between the streaks.

Sellona. Wings indented fulvous spotted with black ; lower-ones
beneath silvery at the tip with 6 ocellar fulvous spots.

Inhabits *North America.* *Cramer.* 18. tab. 209. fig. E. F ?.

Antennae variegated with cinereous and brown, the club fulvous ;
the silvery spots annulate with pale chestnut brown.

Phalanta. Wings indented fulvous spotted with black ; lower-ones
beneath glaucous at the tip with 3 fulvous ocellar
spots.

Inhabits *East India.* *Cramer* 29. tab. 337. fig. D. E.

Thais. Wings indented fulvous, the margin streaked with black ;
beneath glaucous, lower-ones with a silvery band and
ocellar dots.

Inhabits

Inhabits *America*. In the Museum of Dr. Hunter.
All the wings fulvous with a purple gloss.

- Gripus.** Wings entire brownish; beneath a streak of white dots
Inhabits *India*. Cramer. 16. tab. 183. fig. C. D.
Feelers ferruginous tipped with black: upper-wings rusty-brown
with a yellow band at the tip; beneath yellow at the tip with
a streak of 5 white dots.
- Posthumus.** Wings falcate entire brown with a blue disk; lower-ones
beneath grey immaculate.
Inhabits—*Jones*. Fig. pict. 5. tab. 77. fig. 2.
Upper-wings beneath brown at the base spotted with white, the
tip grey.
- Sophorae.** Wings entire brown with a ferruginous band; lower-ones
beneath chestnut-brown with 2 eyes.
Inhabits *America*. Cramer. 21. tab. 213. fig. A. B. C.
Larva gregarious naked lineate.
- Xanthus.** Wings entire brown with a ferruginous band; lower-ones
beneath marbled with grey and 2 eyes.
Inhabits *Asia*. Cramer 16. tab. 183. fig. A. B.
One of the eyes is marked with a white lunule.
- Cassia.** Wings scalloped brown with a ferruginous band bifid
at the tip, lower-ones beneath cinereous with 2
eyes.
Inhabits *America*. Cramer. tab. 105. fig. A. B. t. 106. f. A.
Larva green streaked with red, head 2 spined, tail bifid: pupa
reddish with silvery spots.
- Borecynthus** Wings entire, above black with a marginal yellow band;
lower-ones beneath with 6 ocellar spots.
Inhabits *Surinam* Cramer. 16. tab. 184. fig. B. C.
Upper-wings with 3 white dots at the tip: all beneath variegated,
with a single ocellar spot on the upper pair and 6 on the low-
er-ones.
- Arcadius.** Wings entire; upper-pair black spotted with blue and
white; lower-ones brown, beneath chestnut-brown.
Inhabits *Africa*. Jones Fig. pict. 5. tab. 38. fig. 1.
Upper-wings with a large blue spot at the base, spotted with
brown, the tip spotted with white; lower-wings with blue
marginal spots.

Honorius. Wings entire blue; upper-pair black at the tip with a brown rib; lower-ones dotted with black at the base and striate at the tip.

Inhabits—*Jones Fig. pict. 6. tab. 67. fig. 1.*

Upper-wings with a streak of blue dots before the tip; beneath brown with blue dots at the base and a few at the tip; *lower-wings* with a black outer margin; beneath dusky with black dots at the base and streaks at the tip.

Oethon. Wings entire brown with a fulvous marginal streak, lower-ones beneath nearly naked, with 7 eyes.

Inhabits *Surinam.*

Upper-wings with a fulvous streak at the tip and a few white dots; beneath a small black eye: *lower-wings* beneath waved with obsolete white and brown streaks and 7 eyes.

Polixenes. Wings entire brown; lower-ones beneath clouded with brown and grey.

Inhabits *North America.* In the museum of Sir *Jos. Banks.*

Cupavius. Wings entire black spotted with white; lower-ones beneath grey with a white band each side.

Inhabits *Africa and Guinea.* *Cramer. tab. 193. fig. E. F.*

The white band is abbreviated on the lower-wings.

Constantius. Wing entire dull cinereous with a marginal streak of brown dots.

Inhabits—*Jones. Fig. pict. tab. 50. fig. 1.*

Dots on the *upper-wings* surrounded with a white lunule; beneath a broad paler band behind the middle in which is a streak of darker dots.

Marthefius. Wings entire black; upper-pair with a fulvous disk; lower-ones with a streak of white dots.

Inhabits *Surinam.* *Cramer. 16. tab. 191. fig. A, B.*

Arcefilaus. Wings entire; above ferruginous immaculate, beneath brown with 2 darker streaks.

Inhabits *Siam.* In the museum *Sr. Jos. Banks.*

Nero. Wings entire sanguineous with a brownish margin; lower-ones orange beneath.

Inhabits *Asia.* In the *British Museum.*

Upper-wings beneath orange with a scarlet disk, lower-ones with 2 brown streaks.

- Polycarues.* Wings entire, above black, beneath chestnut-brown immaculate.
Inhabits Surinam. *Cramer.* 28. *tab.* 329. *fig.* C, D.
- Eropus.* Wings entire brown with a yellow band; upper-pair beneath with a single eye at the base.
Inhabits India. *Cramer.* 10. *tab.* 111. *fig.* F, G.
- Ancæus.* Wings entire black with a blue band on the upper-pair and a ferruginous one on the lower-ones; beneath green.
Inhabits India. *Cramer.* 29. *tab.* 338. *fig.* C, D.
- Obrinus.* Wings entire above brown with a blue band and ferruginous spot, beneath green with a whitish band.
Inhabits India. *Cramer.* 5. *tab.* 49. *fig.* E, F.
Upper wings with a ferruginous spot, the iris blackish, behind this a blue band, and a blue spot at the tip; beneath a pale blueish band; *lower-wings* with 3 small black dots; beneath 3 rusty-brown streaks and 2 dots.
- Lucindus.* Wings entire barred with black, above blue beneath fulvous.
Inhabits Surinam. *Cramer Inf.* 1. *tab.* 1. *fig.* E, F.
A streak of black dots above towards the margin on the *upper-wings*, and beneath on all.
- Liriope.* Wings entire fulvous, the border brown with fulvous spots; lower-ones yellowish with fulvous waves.
Inhabits Guiana. *Cramer.* 1. *tab.* 1. *fig.* C, D.
Lower-wings beneath with a streak of fulvous ocellar dots behind and a marginal one of lunules.
- Arminius.* Wings entire, both surfaces alike, fulvous with reddish-lunules and dots.
Inhabits—*Jones Fig. pict.* 6. *tab.* 32. *fig.* 4.
- Morpheus.* Wings entire fulvous spotted with black; lower-ones with a streak of black dots each side.
Inhabits North America. *Cram.* 9. *tab.* 201. *fig.* A, B, C.
Antennæ black annulate with white, the tip fulvous: *body* above brown, beneath cinereous: *lower-wings* beneath palish with brown waved streaks margin and 6 dots.
- Lyfidice.* Wings entire blue with a black border above and bands beneath.
Inhabits Surinam. *Cramer.* 15. *tab.* 169. *fig.* C, D.

Upper-wings with black nerves and margin: *lower-wings* with a black margin. Beneath a silvery dot in the third band of the upper-pair and 3 in that of the lower-ones.

Eumenus. Wings entire brown with a white band which in the lower ones is terminated each side by a fulvous spot. Inhabits *Cayenne*. Tip of the *wings* whitish.

Dardus. Wings entire brown; upper-pair with a blue eye in the middle each side; all beneath with 2 ocellar streaks.

Inhabits *Surinam*. Body brown.

All the *wings* with 7 obsolete grey macular streaks above, the hinder-one subocellar; the blue eye on the upper-pair with a fulvous iris and without pupil, behind this 2 small white dots: beneath all with 2 macular whitish streaks towards the tip, the hinder-one subocellar.

Arcas. Wings entire blue; upper-pair spotted with white; lower-ones with a black and white marginal spot.

Inhabits *Surinam*. *Cramer*. 15. *tab.* 189. *fig.* E, F.

Cantus. Wings entire, above brown immaculate: lower-ones with 6 eyes beneath.

Inhabits *North America*. *Cram.* 17. *tab.* 204. *fig.* C, D.

All the *wings* beneath paler with 2 oblique ferruginous streaks, upper-pair with 3 small obsolete eyes, lower-ones streaked at the margin with 6 eyes, the fifth very large, the sixth very minute at the angle of the tail.

Eurytris. Wings entire brown; upper-pair with 2 eyes each side, lower-ones with a single one above and 4 beneath, all of them with a double pupil.

Inhabits *Jamaica*. *Cramer*. 11. *tab.* 132. *fig.* C, D.

Antennæ annulate with white and black, the tip ferruginous: all the *wings* with darker marginal streaks above: all the *eyes* black with yellow iris and double silvery pupil; between the second and third on the under-page of the lower-wings are 2 silvery spots.

Hermes. Wings entire, above brown immaculate with 6 eyes on the upper-pair, 3 of which are blind.

Inhabits *Brazil*. *Cramer*. 5. *tab.* 60. *fig.* E, F.

Wings beneath paler with 2 dark waved streaks, on the upper-pair 3 obsolete eyes and 6 on the lower-ones, the iris yellow pupil snowy, 1, 3, 4. blind.

Irius. Wings entire with a yellow disk; lower-ones with 1 eye above and 2 beneath.

Inhabits *New Holland.* In the museum of Sir. *Jos. Banks.*

Upper-wings brown with a yellow disk; beneath a small eye before the tip: *lower-wings* brown with a broad ferruginous band and a black eye with ferruginous iris and snowy pupil; beneath pale at the tip with 2 black eyes surrounded with a ferruginous and broad silvery ring, the pupil snowy, between the eyes a small silvery spot.

Mineus. Wings entire brown; upper-pair with a single eye above, lower-ones with 7 beneath and a white band.

Inhabits *China.* *Cramer.* 7. tab. 84. fig. C, D.

Crantor. Wings entire brown; lower-ones with a single bipupillate eye above and 5 beneath, the first and fourth bipupillate.

Inhabits *India.* *Jones Fig. pict.* 4. tab. 18. fig. 1:

Lower-wings with a black eye above, the iris yellow and pupil double; beneath 5, the third and fifth blind.

Mergus. Wings entire brown, both surfaces alike; upper-pair with 4 eyes, the anterior one with a double pupil; lower-ones with 5.

Inhabits *Africa.* *Jones Fig. pict.* 4. tab. 41. fig. 2.

The eyes black with a fulvous iris and white pupil.

Hesperia. Rurales.

Cupido. Lower-wings 6-toothed, tailed, beneath whitish with silvery spots.

Inhabits *America.* *Cramer.* 14. tab. 164. fig. D, E, F, G.

Larva white dotted with black.

Gnides. Wings 6-toothed tailed, white with a black border; lower-ones with silvery spots beneath.

Inhabits *Surinam.* *Cramer.* 21. tab. 244 fig. C, D, E, F.

Agrippa. Wings 3-tailed blue with a black border; beneath cinereous with a white streak and 2 rufous spots at the angle of the tail.

Inhabits *America.* *Jones Fig. pict.* 6. tab. 3. fig. 3.

Spots at the angle of the tail with a black pupil.

Helius. Wings- 3-tailed; upper-pair black, lower-ones blue: beneath cinereous with 2 brown streaks and 2 eyes at the angle of the tail.

Inhabits *Africa*. *Cramer. 19. tab. 224. fig. D, E.*

Antennae black annulate with white, the tip fulvous; *upper-wings* with a thin blue edge: *lower-wings* with 3 black tails tipped with white: the *eyes* at the angle of the tail black with a rufous iris.

Janias. Wings 3-tailed blue with a black border; beneath green.
Inhabits *Surinam*. *Cramer. 18. tab. 213. fig. D, E.*
Lower-wings beneath with a black spot towards the margin.

Pythagoras. Wings 3-tailed black with a yellow border; beneath black varied with white and a white band in the middle.
Inhabits *India*. *Jones Fig. pict. 6. tab. 14. fig. 4.*
Small. *Lower-wings* with marginal lunules.

Amer. Wings 3-tailed brown, the disk beneath variegated and a golden streak behind on the lower-ones.
Inhabits *India*. *Cramer. tab. 320. Jones 6. tab. 11. fig. 3.*
Antennae annulate with white and black the club ferruginous at the tip: *upper-wings* with a white spot in the middle: *lower-wings* with a terminal rufous band and 3 filiform tails. Beneath the disk white varied with black and yellow, the border brown with a white marginal streak on the upper-pair: at the angle of the tail are 2 small spots.

Hesiodus. Wings 3-tailed black with a blue disk; beneath white with a common greenish streak and 2 silvery black dots at the angle of the tail.
Inhabits *India*. *Cramer. tab. 90. Jones 6. tab. 9. fig. 4.*
At the angle of the tail are 2 dots which in the upper-pair are black, in the lower-ones silvery.

Timon. Wings 3-tailed, greenish at the base; beneath white with an abbreviated red band on the lower-ones.
Inhabits *America*. In the museum of Dr. Hunter.
Upper-wings above brown with a greenish base, beneath white with a darker tip: *lower-wings* greenish spotted with white, beneath white with an abbreviated brown streak at the angle of the tail and a red band with 2 black spots.

Monous. Wings 3-tailed brown; beneath snowy slightly barred with brown, the lower-ones with 2 gilt eyes.
Inhabits *Africa*. In the museum of Sir Jof. Banks.
Upper-wings beneath with a transverse brown spot in the middle and band at the tip: *lower-wings* streaked with white at the margin, the tails short and white; beneath with 3 brown dots at the base interrupted band in the middle and patch at the tip, at the hind-margin 2 gilt eyes with a fulvous iris.

- Faunus.* Wings 3-tailed brown; beneath white with 2 fulvous streaks.
Inhabits *Africa*. *Cramer. tab. 39. fig. B, C. tab. 96. fig. F, G.*
Lower-wings with a white streak behind, the tails long white.
- Lisias.* Wings 3-tailed; upper-pair brown with a fulvous spot; lower-ones beneath white spotted with black.
Inhabits *Poulicandor*. In the museum of Sir *Jos. Banks*.
Upper-wings beneath yellowish with fulvous streaks and a brown one behind; *lower-wings* spotted with blue on the hind-margin, the tails black edged with white.
- Hymen.* Wings 3-tailed brown, spotted with white beneath; upper-pair white above.
Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Upper-wings with a common whitish spot at the thinner-margin, beneath with transverse white lines.
- Gabrielis.* Wings nearly 3-tailed glossy-blue; lower-ones beneath brown with white bands before the tip.
Inhabits *America*. *Cramer. 1. tab. 6. fig. C, D.*
Lower-wings ferruginous at the tip and barred with white, angle of the tail greenish.
- Pindarus.* Wings nearly 3-tailed blue with a black border, beneath brown with silvery and fulvous spots.
Inhabits *India*. *Jones Fig. pict. 6. tab. 4. fig. 4.*
Wings black with a striate blue disk, at the angle of the tail 2 rufous spots.
- Chiton.* Wings 3-tailed blue with a brown border, beneath yellowish-white with black bands.
Inhabits *India*. *Cram. tab. 282. fig. C, D. Jones 6. t. 2. f. 1.*
Lower-wings with 3 black tails tipped with white, in the hind-border a white streak; beneath 4 bands meeting at the angle of the tail.
- Pelion.* Wings nearly 3-tailed blue with gold dots and a brown border.
Inhabits *America*. *Cram. 1. tab. 6. fig. E, F.*
Wings beneath brown with white bands and darker at the base, upper-pair with a small scarlet dot.
- Aunus.* Wings nearly 3-tailed blue with a black border, beneath black with white bands.

Inhabits *America*. *Cramer. 2. tab. 23. fig. E. F.*
The middle tail longer and white before the tip.

Petus. Wings nearly 3-tailed blue with a black border; beneath brown, the base rufous dotted with white.

Inhabits *Surinam*.

Antennæ black with a white club.

Freja. Wings 2-tailed brown; the disk beneath brown with a waved streak, which on the upper-pair is fulvous on the lower-ones black.

Inhabits *Tranquebar*.

Upper-wings beneath white with a fulvous border transverse line in the middle and streak behind: *lower-wings* white at the tip with a broad black band, the first tail white the second black edged with white; beneath with fulvous and black marginal streaks, the tip prominent with a broad blue band terminated each side with a black dot.

Etolus. Wings 2-tailed, upper-pair black; lower-ones blueish beneath whitish with a black dot at the base and 2 at the tip.

Inhabits *India*.

Upper-wings a little blueish on the inner-margin: *lower-wings* with a black dot at the tip. Beneath the upper-pair brown testaceous with 2 darker streaks, lower-ones with 2 interrupted dark streaks before the tip, the tails white with a black line in the middle.

Vulcanus. Wings 2-tailed, above brown with fulvous spots, beneath variegated with fulvous yellow and silvery streaks.

Inhabits *India*. *Cramer. 18. tab. 208 fig. E. F.*

Body brown with lateral white stripes: *upper-wings* with 4 transverse fulvous spots: *lower-ones* with a marginal fulvous band and black dot at the angle of the tail with a golden iris, beneath 2 black dots at the angle of the tail.

Ganymedes Wings 2-tailed blueish with a brown border, beneath greenish at the base with gold dots.

Inhabits *India*. *Cramer. 4. tab. 40. fig. C, D.*

Upper-wings with a brown central dot, beneath 2 white streaks and a purple one in the middle: *lower-wings* beneath with a white purple and green approximate bands, the hind-margin brown.

Mars. Wings 2-tailed brown; lower-ones with a rufous spot and 2 white dots and an oblique band beneath.

Inhabits

Inhabits *America*. *Cramer* 15. *tab.* 175. *fig.* C, D.

Antennae annulate with white and black, the club ferruginous at the tip: *upper-wings* with a darker spot in the middle, beneath cinereous with an oblique white band: *lower-wings* beneath with a large rufous spot before the angle of the tail,

Celerio.

Wings 2-tailed white; beneath with alternate brown and white bands and a triple rufous eye at the angle of the tail.

Inhabits *Surinam*. *Cramer*. 3. *tab.* 31. *fig.* C. D.

Upper-wings dotted with black at the tip: *lower-ones* at the margin.

Ematheon.

Wings 2-tailed glossy-blue, beneath black speckled with blue.

Inhabits *Surinam*. *Cramer* 14. *tab.* 163. *fig.* F. G.

Upper-wings with a black spot; all tips with black.

Didymaon.

Wings 2-tailed brown; the base beneath red with white ocellar dots.

Inhabits *Surinam*. *Cram.* 12. *tab.* 134. *fig.* A.

A greenish spot beneath at the angle of the tail,

Erosine.

Wings 2-tailed brown, upper-pair with 7 red dots, lower-ones with 3; upper-pair beneath with 3 silvery dots.

Inhabits *Cape of good hope*. *Cram.* *tab.* 341. *fig.* D, E.

Upper-wings beneath brown with a fulvous disk spotted with black and 3 spots with a white pupil: *lower-ones* beneath brown spotted with white.

Isocrates.

Wings 2-tailed brown with 2 approximate waved darker streaks, and a double black spot at the angle of the tail.

Inhabits *India*. Large,

Antennae black annulate with white: *upper-wings* with a ferruginous spot in the middle: *lower-ones* ferruginous at the tip: one of the spots at the angle of the tail ferruginous on the fore-part.

Alys.

Wings 2-tailed brown with a blue disk; beneath cinereous with brown veins, the base with a fulvous spot and white dots.

Inhabits *India*. *Cram.* *tab.* 259. *Jones* 6. *tab.* 13. *fig.* 1.

Sophocles.

Sophocles. Wings 2-tailed black with a common blue disk ; beneath white with waved yellowish streaks, the lower-ones with a fulvous dot at the tip.

Inhabits *India.* *Jones Fig. pict. 6. tab. 13. fig. 2.*

Lower-wings beneath with a black line in the middle.

Euripides. Wings 2-tailed black with a blue disk : beneath brown with an abbreviated white streak on the the upper-pair, and 2 angular rufous streaks and marginal ocellar spot on the lower-ones.

Inhabits *India.* *Jones Fig. pict. 6. tab. 13. fig. 4.*

Pheleus. Wings 2-tailed blue ; beneath black with green and blue bands.

Inhabits *Surinam.* *Cramer. 14. tab. 163. fig. D, E.*

The *wing-tail* terminating in a white dot.

Anacreon. Wings 2-tailed brown, beneath waved with white and a macular fulvous streak behind.

Inhabits *India.* *Jones Fig. pict. 6. tab. 5. fig. 4.*

Wings beneath with a fulvous streak towards the hind-margin, that on the upper-pair consisting of 5 dots, that on the lower-ones of 3 the middle-one with a black pupil.

Tbales. Wings 2-tailed black with blue lunules beneath ; lower-ones beneath with an abbreviated submarginal gold band.

Inhabits *India.* *Jones. Fig. pict. 6. tab. 14. fig. 1.*

Wings with a blue hind-margin.

Endymion. Wings 2-tailed ; beneath green with rufous and gold specks, lower-ones with a black streak and red band.

Inhabits *Surinam.* *Cramer. 6. tab. 72. fig. E. F.*

Wings above blue with a black margin and red at the angle of the tail ; the red band ends in a white one.

Venus. Wings 2-tailed ; lower-surface of the upper-pair green speckled with gold, of the lower-ones gold, spotted with green and black.

2. Wings 3-tailed blueish tint with black ; beneath golden speckled with black.

Inhabits *Surinam.* *Cramer 7. tab. 76. fig E. F.*

Wings above blue tint with black, upper-pair with 2 ferruginous dots in the centre : *tails* black.

- Echion.* Wings 2-tailed, above brown, beneath palish with a rufous band and terminal red eye.
Inhabits *America.* *Esf.* 1. tab. 20. fig. 1. *Ernst.* tab. 37. f. 77.
Upper-surface of the wings sometimes shining blue.
- Telemus.* Wings 2-tailed shining-blue; lower-ones with a marginal angular black streak beneath
Inhabits *America.* *Cramer.* 1. tab. 4. f. D, E.
Upper-wings with a black spot in the middle; tails black.
- Dindus.* Wings 2-tailed black, the thinner margin blue; beneath cinereous with white spots and a double rufous spot at the angle of the tail.
Inhabits *India.* *Jones Fig. pict.* 6. tab. 4. fig. 2.
Upper-wings beneath with 2 brown lines in the middle, then a streak of brown spots edged with white, then a streak of white lunules.
- Cecrops.* Wings 2-tailed black with a red band beneath.
Inhabits *India.* *Jones Fig. pict.* 6. tab. 21. fig. 2.
Upper-wings beneath with a red spot in the middle and abbreviated band behind: lower-wings beneath with a red band behind jointed to a blueish one and behind this black lunules and a marginal fulvous spot with a black dot.
- Hemon.* Wings 2-tailed, above brown immaculate; lower-ones beneath with 3 blueish bands at the angle of the tail.
Inhabits *Surinam.* *Cramer* 2. tab. 20. fig. D, E.
Wings beneath paler with 2 black half streaks on the upper-pair, and a black dot at the base with a lateral white pupil on the lower-ones, towards the angle of the tail an incurved white streak.
- Sphinx.* Wings 2-tailed blueish, beneath cinereous with a double black spot at the angle of the tail.
Inhabits *India.* *Cramer* 4. tab. 46. f. F G.
Wings above blue, the margin of the upper-pair brown; beneath with 2 waved brown streaks, one of the spots at the angle of tail surrounded with a rufous lunule, the other in the tail itself.
- Melibæus.* Wings 2-tailed blueish with a brown border; beneath yellowish with brown streaks on the upper-pair and black-ones on the lower, angle of the tail black with blue rings.
Inhabits *India.* *Jones Fig. pict.* 6. tab. 2. fig. 2.

Lower-wings with a white streak in the border and a black sub-cellar dot at the angle of the tail.

Maecenas. Wings 2-tailed black with a blue disk, beneath with chefnut-brown clouds

Inhabits *China*. *Jones Fig. pict. 6. tab. 3. fig. 2.*

Upper-wings beneath with an interrupted white line at the base :
lower-ones beneath with a black dot at the angle of the tail.

Tyrtæus Wings 2-tailed brown ; *lower-ones* beneath with a waved white streak and black marginal lunules, the middle-ones rufous.

Inhabits *India*. *Jones Fig. pict. 6. tab. 11. fig. 1.*

Lower-wings with a blueish band bifid behind the divisions ending in a black dot.

Xenophon. Wings 2-tailed brown with a yellow disk ; beneath cinereous with a white streak in the middle joined to a brown one.

Inhabits *India*. *Jones Fig. pict. 6. tab. 15. fig. 4.*

Lower-wings with a marginal punctured brown streak.

Marfyas. Wings 2-tailed, above blue, beneath blueish with black dots.

Inhabits *America* *Cramer Inf. 28. tab 332. fig. A, B.*

Bathis. Wings 2-tailed blue with a black eye ; beneath brown with white bands, angle of the tail rufous.

Inhabits *Surinam*. *Cramer: tab. 51. fig. E, F. Jones 6. t. 10. f. 1*

The eye in the middle of the *upper-wings* with a cinereous iris.

Cyanus. Wings 2-tailed shining blue, beneath with a white disk.

Inhabits *Surinam*. *Cramer. 7. tab. 76. fig. C. D.*

Lower-wings beneath with 7 blue spots, the pupil black.

Hyacinthus Wings 2-tailed shining blue ; under-surface of the *lower-ones* black in the middle with a white band.

Inhabits *India*. *Cramer 3. tab. 36. fig. E.*

Halefus. Wings 2-tailed blue edged with black ; *lower-ones* each side spotted with gold at the tip.

Inhabits *America*. *Cramer 9. tab. 98. fig. B. C.*

An ocellar brown spot with a rufous lunule in the middle on the

upper-

upper-wings, beneath a rufous dot and blue line at the base :
lower-wings with a rufous and gold spot at the base beneath.

Aebæus. Wings nearly 2-tailed brown with fulvous spots ; beneath yellow with gold spots.

Inhabits *India.* *Cramer. tab. 352. Jones 6. tab. 4. fig. 1.*

Wings beneath with numerous gold spots, some of them annulate with brown, the *tails* short and shining gold.

Pericles. Wings 2-tailed black ; beneath brown waved with white, angle of the tail with a double silvery spot.

Inhabits *India.* *Jones Fig. pict. 6. tab. 18. fig. 3.*

Lower-wings with a few black dots beneath.

Formosus. Wings 2-tailed brown, beneath yellowish with red and and gold spots.

Inhabits *Surinam.* *Cramer 10. tab. 118. fig. G.*

Hind-margin of the *wings* beneath golden.

Meton. Wings 2-tailed white with a brown border ; upper-pair with an ocellar gold spot.

Inhabits *Surinam.* *Cramer. 17. tab. 201. fig. C. D.*

Wings beneath varied with black yellow and brown.

Thero. Wings indented, nearly 2-tailed, blackish with fulvous spots ; beneath with silvery spots.

Inhabits *Africa.*

Liger. Wings 2-tailed white tipped with black, beneath brown with white streaks and lunules.

Inhabits *Surinam.* *Cramer. 22. tab. 254. fig. E. F.*

Body white : *antennae* black : *lower-wings* beneath with a blue spot in the middle and 2 at the tip.

Harpax. Wings 2-tailed fulvous spotted with black, beneath cinereous with gold dots.

Inhabits *America.*

Antennae black with white lateral dots and band before the club which is ferruginous at the tip : *wing-tail* ferruginous tipped with white.

Valens. Wings 2-tailed brown ; beneath yellowish with red spots including gold ones.

Inhabits *Surinam*. In the Museum of Sir *Jos. Banks*.

Upper-wings with a diaphanous spot in the middle; beneath a gold streak towards the hind-margin.

Perion. Wings tailed fulvous with a brown border and bands; beneath dotted with gold.

Inhabits *Surinam*. *Cram.* 32. *tab.* 379. *fig.* B. C.

Tail long black ending in a white dot.

Augustus. Wings tailed white with a brown border; beneath varied with ferruginous and yellow, the lower-ones with 2 cinereous streaks.

Inhabits *America*. *Jones Fig. pict.* 6. *tab.* 3. *fig.* 1.

Wings with a black spot at the angle of the tail: lower-ones beneath with a black dot at the base annulate with yellow.

Centaurus. Wings tailed blueish with a brown border, beneath cinereous with ocellar spots at the base.

Inhabits *New Holland*. In the Museum of Sir *Jos. Banks*.

Upper-wings beneath with 4 or 5 brown spots annulate with white, behind these a brown band edged with white: *lower-wings* beneath with 6 or 7 brown spots annulate with white at the base.

Gerontes. Wings tailed black with a common transverse white spot; upper-pair with an eye, lower ones with a double one.

Inhabits *Africa*. In the Museum of Sir *Jos. Banks*.

Black eye on the *upper-wings* with a lunular silvery pupil, that on the lower-wings with 2 silvery pupils and common ferruginous iris: hind-margin with silvery lunules.

Jarbus. Wings tailed fulvous with a brown border; beneath cinereous with a white streak, lower-ones with 2 black dots

Inhabits *Siam*. In the museum of Sir *Joseph Banks*.

Antennae black annulate with white, the club black with a fulvous tip: *wing-tails* thin black tipped with white: *lower-wings* beneath with 2 black dots at the tip, the anterior-one with a fulvous iris.

Ceraneus. Wings tailed blueish; beneath chestnut-brown at the base spotted with white.

Inhabits *India*. *Cramer. tab.* 332. *Jones* 6. *tab.* 3. *fig.* 4.

- Pann.* Wings tailed brown; upper-pair with a fulvous spot, lower-ones with a black submarginal one; beneath cinereous with 2 eyes at the angle of the tail.
Inhabits *Africa*. *Jones Fig. pict. 6. tab. 2. fig. 3.*
Black spot on the *lower-wings* annulate with ferruginous: all beneath streaked with white, one of the spots at the angle of the tail surrounded with a ferruginous ring.
- Phorbus.* Wings tailed brown with a white disk; beneath white with cinereous streaks and 2 black dots at the angle of the tail.
Inhabits *India*. *Jones Fig. pict. 6. tab. 2. fig. 4.*
Lower-wings with a white hind-margin spotted with brown.
- * *Betula.* Wings slightly tailed brown; beneath yellowish with 2 white streaks on the lower-ones,
Inhabits *Europe*. *Donovan, vii. tab. 250. Lewin, tab. 42.*
Wing-tail red: *male* with a short black streak on the lower wings: *female* with a large fulvous spot on the upper-pair.
Larva fat green with pale streaks: *pupa* glabrous, ferruginous.
- * *Pruni.* Wings slightly tailed, above brown with a red spot at the tip of the lower-ones: lower-wings beneath with a fulvous marginal band dotted with black.
Inhabits *Europe*. *Lewin tab. 44. Esp. 1. tab 39. fig. 1.*
Larva fat green with a pale lateral line: *pupa* brown with a white head.
- Spini.* Wings tailed brown; beneath cinereous with fulvous marginal lunules and a blueish spot near the tail.
Inhabits *Germany*, on the *Prunus spinosa*.
Lower-wings with a few rufous spots at the tip, the tail tipped with white. Beneath a white streak, the blueish spot at the angle of the tail with a terminal black dot.
- Favonius.* Wings slightly tailed brown with fulvous spots; beneath cinereous with 2 white streaks, lower-ones with a submarginal fulvous band and blueish at the angle of the tail.
Inhabits *America*. *Smith's Lepidop. Inf. of Georgic.*
- * *Quercus.* Wings slightly tailed blueish; beneath cinereous with a white streak and double fulvous dot near the tail.
Inhabits *Europe*. *Lewin, tab. 43. Albin. 1. 62. f. A. B.*

Male, wings above brown with a blue heart-shaped spot on the upper-pair.

Larva fat, above rosy with 3 lines of green dots: *pupa* glabrous, ferruginous with 3 dorsal lines of brown dots.

Linneus. Wings tailed brown immaculate; lower-ones beneath with a lunulate white and rufous streak.

Inhabits *Russia*; resembles *P. spini*.

Upper-wings beneath with an abbreviated streak of 5 whitish lunules, a streak of numerous white lunules on the lower-ones and a few red lunules behind: *male* with a fulvous disk on the wings above.

Cerast. Wings tailed brown immaculate; beneath a white streak and fulvous lunules marked with a black dot on the lower-ones.

Inhabits *Austria*. *Esp. pap.* 1. tab. 39. fig. 3.

Acaciae. Wings tailed brown; beneath blueish with a white streak, and fulvous lunules near the tail.

Inhabits *Russia*. much less than the last.

Lower-wings with 2 marginal fulvous spots, beneath with a white streak and fulvous lunules near the tail with a black dot or two.

Symethus. Wings slightly tailed brown with a white spot on the disk; upper-pair tipped with black.

Inhabits *America*. *Cramer.* 13. tab. 194. fig. B. C.

Upper-wings beneath grey with a white spot in the middle and ferruginous border, the hind-margin with a streak of black dots: *lower-wings* beneath variegated, the margin dotted with black.

Bartica. Wings tailed blueish; beneath cinereous with white waves, angle of the tail with a double gilt spot.

Inhabits *Europe* and *India*. *Esp. pap.* 1. tab. 27. fig. 3.

Wing-tail tipped with white: the 2 eyes with a gilt iris and black pupil.

Apidanus. Wings tailed blue; lower-ones beneath brown varied with blue, angle of the tail with a double gilt spot.

Inhabits *Surinam*. *Cramer.* 12. tab. 137. fig. F. G.

Wings blue edged with black, beneath brown with a ferruginous spot at the base.

- Adrianus.* Wings tailed white; beneath cinereous with white streaks, angle of the tail with a black eye
Inhabits *East India*.
Upper wings above tipped with black: eye at the angle of the tail black with a gold gloss and surrounded with a rufous ring.
- Strephon.* Wings tailed brown with a blueish disk; beneath cinereous with a white band and double rufous eye at the angle of the tail.
Inhabits *India*. *Cramer. tab. 27. fig. C, D.*
Eye at the angle of the tail with a black pupil.
- Ericus.* Wings tailed blueish; beneath varied with white and brown, the lower-ones with 2 dots at the angle of the tail.
Inhabits *India*. *Cramer. tab. 379. Jones 6. tab. 18. fig. 4.*
Dots on the wings white annulate with black.
- Theophrastus.* Wings tailed brownish; beneath white spotted with black, lower-ones with 5 marginal gilt dots.
Inhabits *Morocco*; small.
Upper-wings with 2 blueish lines at the base, the disk with an obsolete yellowish spot spotted with black; beneath white with black lines.
- Columella.* Wings tailed brownish; beneath cinereous with a streak of black and white dots and 2 fulvous spots on the lower-ones.
Inhabits *South American Islands*; small.
Antennae black annulate with white: *lower-wings* with a black subocellar spot or two at the tip, the tail black tipped with white.
- Chen.* Wings tailed brown; beneath cinereous with a red streak on the upper-pair and band on the lower-ones, angle of the tail with a double rufous eye.
Inhabits *Brazil*. In the museum of Sir *Jos. Banks*.
Antennae annulate with white and black, the club black with a brown dot at the tip: all the wings above brown, a small red dot at the angle of the tail; beneath cinereous with paler marginal lunules, the 2 eyes rufous with a black pupil.
- Phocides.* Wings tailed, above brown; lower-ones white with 2 black dots.
Inhabits *Africa*. *Jones Fig. pict. 6. tab. 12. fig. 2.*
Lower-wings white at the tip with 2 black dots: *upper-wings* beneath with 3 white and 3 testaceous alternate bands; lower-ones with brown dots and lines and 2 black dots at the tip.
- Alcides.*

- Alcides.* Wings tailed black with a blue gloss; beneath ferruginous^s with a yellow streak.
Inhabits *Sierra Leona*. *Cramer. 8. tab. 96. fig. D, E.*
- Philippus.* Wings tailed brown; beneath white with 2 fulvous streaks^s and 2 subocellar black dots at the angle of the tail.
Inhabits *India*. *Jones Fig. pict. 6. tab. 20. fig. 1.*
Lower-wings with a white streak behind and 2 subocellar black dots at the angle of the tail.
- Atymnus.* Wings tailed fulvous, upper-pair tipped with black.
Inhabits *Siam*. *Cramer. 28. tab. 331. fig. D, E.*
- Eryx.* Wings tailed black; beneath green with a slightly indented and spotted margin on the lower-ones.
Inhabits *China*. *Cramer. 4. tab. 48. fig. E.*
- Aeolus.* Wings tailed blue with a black spot on the upper-pair; all beneath with a white band streaked with black.
Inhabits *India*. *Aubert. Miscell. tab. 18. fig. 6, 7.*
Upper wings tipped with black; *lower-ones* beneath with a small red dot at the anterior base and a red spot with a few white ones at the tip.
- Coriolanus.* Wings indented tailed, dull cinereous with a common ferruginous streak.
Inhabits *India*. *Jones Fig. pict. 6. tab. 48. fig. 1.*
Lower-wings with a ferruginous patch behind; beneath 4 black dots marked with white.
- Plinius.* Wings tailed varied with white and brown; lower-ones beneath with a double gilt spot at the angle of the tail.
Inhabits *India*. *Jones Fig. pict. 6. tab. 11. fig. 4.*
Upper-wings with square brown spots; beneath with bands.
- Acmon.* Wings tailed blue; lower-ones beneath black with green-gold streaks at the tip.
Inhabits *Surinam*. *Cramer. 5. tab. 51. fig. C, D.*
Upper-wings with a black central spot.
- Democritus.* Wings tailed shining blue, beneath black spotted with white.
Inhabits *East India*.
Lower-wings beneath with 2 black spots at the angle of the tail surrounded with a green gold ring.

- Amyntas.* Wings tailed blue with a black margin; beneath cinereous with black dots, and 2 ferruginous ones on the lower-pair at the angle of the tail.
Inhabits *Austria.* *Esp. Pap. tab. 49. fig. 2.*
Upper-wings with a black lunule each side, and a streak of black dots beneath.
- Timus.* Wings tailed varied with fulvous and brown; upper-pair beneath with ocellar black dots.
Inhabits *Surinam.* *Cramer. 16. tab. 186. fig. E, F.*
Disk of the *upper-wings* fulvous dotted with black; beneath fulvous, the dots annulate with white: *lower-wings* with 4 blueish dots and a fulvous band.
- Simaethis.* Wings tailed brown, beneath green with a silvery stripe.
Inhabits *Surinam.* *Drury Inf. 1. tab. 1. fig. 3.*
The stripe on the *lower-wings* is indented.
- Sedi.* Wings tailed blue, the margin spotted with white; beneath white with square black spots and a rufous band.
Inhabits *Germany.* *Naturf. 9. tab. 1. fig. 4, 5.*
Larva green with a red dorsal line: *pupa* obtuse, greenish before and chestnut-brown behind.
- Phidias.* Wings tailed blueish with a brown border; beneath cinereous, all with a black dot at the angle of the tail.
Inhabits *India.* *Jones Fig. pict. 6. tab. 16. fig. 2.*
Margins of the *wings* waved with white.
- Herodotus.* Wings tailed blue; beneath green with a streak of black-white dots on the lower-ones.
Inhabits *India.* *Jones. Fig. pict. 6. tab. 18. fig. 1.*
Spots on the *wings* black on the fore-part and white behind.
- Strato.* Wings tailed blue; beneath cinereous with white waves, lower-ones with 2 black marginal dots and 2 at the angle of the tail.
Inhabits *East India:* small.
Upper-wings beneath with a small black subocellar dot at the rib: *lower-wings* with a black dot at the tip; beneath 2 ocellar dots at the rib and 2 at the angle of the tail, the iris yellow on the fore-part and silvery behind.
- * *Rubi.* Wings slightly tailed, above brown beneath green.
Inhabits *Europe.* *Levin. tab. 44. Albin. tab. 5. fig. 8.*
In one *sex* a white stripe on the lower-wings beneath.
Larva green varied with yellow, head black: *pupa* pale brown.

Plato. Wings tailed blue with a brown border, beneath cinereous with white waves, lower-ones with a black bipupillate eye.

Inhabits *India*. *Jones Fig. pict. 6. tab. 14. fig. 3.*

Lower-wings with a marginal streak of black dots; beneath a black eye with yellow iris and a double silvery pupil, at the angle of the tail a silvery spot.

Rosimon. Wings tailed white with a black border and dots on the disk; beneath dotted with black, angle of the tail with 3 gold dots.

Inhabits *Inaia*. *Cramer Inf. tab. 340. fig. C,D,E.*

Base of the *wings* with a blue glois, the tail black tip with white.

Hippocrates Wings tailed brown tip with white, beneath white dotted with black.

Inhabits *India*. *Jones Fig. pict. 6. tab. 17. fig. 1.*

Lower-wings edged with white.

Theocritus. Wings tailed greenish with a darker rib, beneath black dotted with yellow.

Inhabits *India*. *Jones Fig. pict. 6. tab. 6. fig. 3.*

Wings above greenish with a slight gold glois

Lincus. Wings tailed white tip with brown; beneath with white and black bands, angle of the tail with 3 white dots.

Inhabits *Surinam*.

Upper-wings with a brown broad tip and dot in the middle; beneath 4 alternate white and black bands, the 2 middle ones black, the margin with a short ferruginous streak; *lower-wings* beneath with 6 alternate white and black bands meeting at the angle of the tail, the extreme ones ferruginous, angle of the tail black with 3 white dots.

Parrhasius. Wings tailed blue (brown;) beneath cinereous with white streaks, lower-ones with marginal gold dots.

Inhabits *India*. *Jones Fig. pict. 6. tab. 16. fig. 2.*

Wings edged with brown: *lower-ones* with a streak of black ocellate dots annulate with white at the base and 4 gold ones at the tip

Amyntor. Wings indented tailed black with a fulvous spot at the base, the tip with a yellow band.

Inhabits *India*. *Cramer. 13. tab. 159. fig. D, E.*

Wings beneath yellow with a curved black band and hind-margin, *lower-ones* with a black hind-margin dotted with white.

Narcissus. Wings indented brown, with a blueish disk; beneath with red spots and bands with silvery edges.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Antennæ varied with white and black, the club rufous at the tip: *upper-wings* beneath with a yellowish outer margin, 2 silvery lines from the base to the middle, behind these a transverse silvery line and 3 dots, then a transverse rufous spot with a silvery edge, at the tip 5 silvery dots with a black pupil: *lower-wings* beneath with 2 red spots and 2 bands all with silvery edges, the hind-margin red with a silvery streak.

Apelles. Wings indented fulvous with a brown border; lower-ones beneath with rufous bands with silvery edges.

Inhabits *New Holland*: probably a sexual variety of the last.

Antennæ annulate with white, the tip fulvous: *upper-wings* beneath yellowish with 3 silvery lines, behind these a transverse rufous spot and 6 silvery dots, 5 silvery dots with black pupil at the margin: *lower-wings* beneath grey with 4 rufous bands, 3 black spots at the angle of the tail, and a silvery streak on the hind-margin.

Heracritus. Wings indented black with a fulvous spot on the upper-pair; lower-wings with a blue spot above and yellowish streaks and blue dots beneath.

Inhabits *America*. *Jones Fig. pict. 6. tab. 37. fig. 2.*

Upper wings beneath with a fulvous dot and transverse spot, and a yellow streak at the base and tip.

Plautus. Wings indented brown, above immaculate, beneath with transverse black and white lines.

Inhabits *India*. *Jones. Fig. pict. 6. tab. 44. fig. 1.*

Thysbe. Wings denticulate fulvous spotted with black; lower-ones beneath striate with black and spotted with gold.

Inhabits *Africa*.

Nais. Wings indented, the base silvery with gold streaks.

Inhabits the *Cape of good hope*. *Cramer. 4. tab. 47. fig. D, E:*

Wings with gold dots at the tip, upper-pair brown, lower-ones fulvous. Beneath the upper-pair fulvous with gold dots annulate with black, lower-ones brown with gold spots.

Melager. Wings indented, blue with a black border; beneath grey with black ocellar dots.

Inhabits *Germany*. *Esp. tab. 45. fig. 2. tab. 62. fig. 1.*

Female with white lunules and black dots on the border.

- Epulus.* Wings entire brown with fulvous spots; beneath variegated.
Inhabits *Surinam* *Cramer. 5. tab. 50. fig. C, D.*
Lower-wings with a streak of black spots and black streaks; all beneath variegated with brown ferruginous and white.
- * *Arion.* Wings above blue edged with brown and spotted with black; beneath grey with numerous small eyes.
Inhabits *Europe.* *Donovan. vi. tab. 184. Lewin. tab. 37.*
Male with a single black spot on the upper-wings and a row of marginal ones on the lower: *female* with 5 or 6 on the upper-pair and a few on the disk of the lower besides the row of marginal ones.
- Erebus.* Wings entire brown; all with a streak of ocellate dots beneath.
Inhabits *Germany.* *Ernst. Inf. Eur. 1. tab. 40. fig. 86.*
Antennæ annulate with white and black.
- Alcon.* Wings entire blue edged with brown; beneath grey-brown with numerous eyes.
Inhabits *Austria.* *Esp. Pap. tab. 34. fig. 4, 5.*
Male with the wings entirely blue, the edge brown fringed with white: *female* with a few darker spots.
- Damon.* Wings entire blue; beneath grey-brown with numerous dots and a white band on the lower-ones.
Inhabits *Europe.* *Esp. tab. 33. fig. 5. Ernst. tab. 42. fig. 87.*
Upper-wings edged with brown and a brown lunule in the middle: *lower-ones* radiate with brown at the margin: *female* entirely brown on the wings above.
Larva dull green with a lateral darker line, head black.
- Cyllarus.* Wings entire blue edged with black; beneath grey-brown with a streak of ocellate dots, the hind-ones blue at the base.
Inhabits *Europe.* *Esp. tab. 33. fig. 1, 2. Roes. tab. 37. fig. 4.*
Wings of the *female* brown with a blue gloss.
Larva pale with a rufous dorsal streak and oblique green lateral lines, head black: *pupa* brown spotted with black.
- * *Argiolus.* Wings entire blue edged with black; beneath blueish-grey spotted with black.
Inhabits *Europe.* *Lewin. tab. 36. fig. 4, 5, 6.*
Base of the *lower-wings* beneath the same colour.

- Actis.* Wings entire blue; beneath grey-blue with oblong black simple dots.
 Inhabits *Austria*. *Esp. Pap. tab. 40. fig. 3.*
Wings of the male blue with a marginal black streak only; of the female blue on the disk only with a black lunule.
 This species is rarely found with tails.
- * *Alfus.* Wings entire brown immaculate; beneath cinereous with a streak of ocellate dots.
 Inhabits *Europe*. *Lewin. tab. 39. fig. 3, 4.*
Upper-wings beneath with a black lunule in the middle and a streak of 7 black dots, all surrounded with a white ring:
lower-ones beneath with 8 or 9 black dots.
- Cajus.* Wings entire brown with a blueish disk; beneath varied cinereous and white with brown ocellar dots.
 Inhabits *India*. *Cramer. tab. 319. fig. D, E.*
- Otis.* Wings entire brown with a blue base; beneath cinereous with a dot in the middle and streak on the upper-pair, and numerous ocellar dots on the lower-ones.
 Inhabits *China*; small.
Antennae annulate with white and black.
- * *Argus.* Wings entire; lower-ones beneath with a ferruginous border and silvery blue eyes.
 Inhabits *Europe*. *Donovan. tab. 143. Lewin. tab. 39. fig. 5, 6, 7.*
Male above blue edged with black; *female* dark brown with a blue base above.
Larva green with a brown dorsal line, head and fore-legs black.
- * *Hyacinthus.* Wings entire blue; lower-wings beneath with a marginal row of red eyes and a circle of black ones on the disk.
 Inhabits *England*. *Lewin. tab. 37. fig. 4, 5, 6.*
Male above fine blue immaculate; *female* above blue with darker tips, a black dot on the upper-pair and a marginal row of red eyes on the lower-ones.
- * *Artaxerxes.* Wings entire brown; upper-pair with a white dot in the middle, lower-ones with rufous marginal lunules; beneath with rufous and white dots on the margin.
 Inhabits *England*. *Lewin. tab. 39. fig. 8, 9.*
Wings beneath cinereous, the hind-margin white with a row of yellow or rufous dots, upper-pair with a white dot in the middle, lower-ones with many.

- * *Titus*. Wings entire brown immaculate; lower-ones ocellate beneath and a macular fulvous streak behind.
 Inhabits *England*. *Jones. Fig. pict. 6. tab. 44. fig. 2.*
Upper-wings beneath with a streak of black and white lines behind: *lower-wings* beneath with a black line in the middle and streak of black dots annulate with white, towards the margin are rufous spots with each a black dot.
- Optilete*. Wings entire blueish with a blackish edge; lower-ones beneath cinereous with ocellar black dots and 2 fulvous lunules.
 Inhabits *Russia*. *Esch pap. tab. 79 fig. 1. 5.*
Upper-wings beneath with a black dot in the middle and a streak of ocellate ones behind.
- Triton*. Wings entire blueish; beneath a ferruginous streak and numerous black dots.
 Inhabits *Russia*. Middle sized.
 All the *wings* with a thin marginal black streak above: *upper-wings* beneath with a streak of ferruginous lunules before the tip.
- * *Corydon*. Wings entire blue (brown) edged with black; beneath cinereous with black ocellar dots, lower-ones with a central white spot.
 Inhabits *Europe*. *Donovan t. 236. f. 1. 2. Lewin. t. 36. f. 1. 2. 3*
Male with pale blue wings above, the margin brown and spotted on the lower-ones: *female* with brown wings, blueish near the inner margin, and a black lunule in the middle.
- * *Adonis*. Wings entire blue with a black marginal streak; beneath cinereous with numerous ocellar dots and a white central one on the lower-ones.
 Inhabits *Europe*. *Lewin tab. 38. fig. 1. 2. 3.*
Female brown with a blue gloss, upper-pair with a black central line, lower-ones with marginal rufous eyes.
Larva green with lines of fulvous spots.
- Dorylas*. Wings entire blue (brown); beneath cinereous with a dot in the middle of the upper-pair and streak of ocellar dots behind.
 Inhabits *Austria*. *Wien. Verz. 322. 19.*
Male above blue with a black marginal streak: *female* brown with marginal fulvous lunules: *lower-wings* beneath with a dot at the base, a curved streak of ocellar dots and a white wedge-shaped spot in the middle.

- Hylus.* Wings entire with a black lunule in the middle and marginal dots; beneath cinereous with ocellar dots.
Inhabits *Austria*. *Esp. pap. tab. 53. fig. 1.*
Lower-wings beneath with a band of ferruginous lunules: all the *wings* above blue, the female darker.
- Battus.* Wings entire blackish-blue; beneath whitish with numerous black dots, lower-ones with a continued fulvous band.
Inhabits *Germany*. *Esp. pap. tab. 41. fig. 2.*
Upper-wings with a blue lunule in the middle, the margin spotted with white: beneath whitish.
Larva green with a violet dorsal line: *pupa* brown, greenish on the fore-part;
- Argiades.* Wings entire blue with a brown edge; beneath grey-brown with a lunule in the middle and 2 streaks of ocellate dots.
Inhabits *Saxony*.
Lower-wings beneath with 2 ocellate dots at the base.
- Amphion.* Wings entire blue edged with black; beneath cinereous ocellate with black; lower-ones with red lunules marked before with a white lunule behind with a black-gold dot.
Inhabits *Germany*.
- Acreon.* Wings entire brown; beneath paler with black ocellate dots; lower-ones with a white and red band and streak of gold dots.
Inhabits *Russia*.
Male blue at the base with marginal fulvous obsolete lunules: *upper-wings* beneath with a dot in the middle and streak of ocellate dots behind, the margin with white black and fulvous lunules and streaked with white and black: *lower-wings* beneath with a white margin on which is a fulvous band marked on the fore-part with black lunules behind with gold dots.
- Hebrus.* Wings entire brown varied with blue; lower-ones blue with a white inner margin.
Inhabits *Surinam*. *Cramer 5. tab 50. fig. E. F.*
- Acis.* Wings entire, both surfaces alike, brown with 2 blue streaks at the tip.
Inhabits *West India*. *Cramer 8. tab. 9. fig. B.*

- Acanthus.* Wings entire brown immaculate ; beneath pale ferruginous with blue bands and yellow border.
 Inhabits *Surinam*. *Cramer* 32. tab. 380. fig. K. L.
Antennae annulate with white, the club brown : wings beneath with 4 common blue bands.
- Ceneus.* Wings entire black with blue waves, the margin dotted with white.
 Inhabits *Surinam*. *Cramer*. 13. tab. 156. fig. F.
- Erinus.* Wings entire brown ; beneath cinereous with a double black dot on the hind-angle of the lower-ones.
 Inhabits *New Holland*. Museum of *Sr. Jos. Banks*.
Antennae annulate with white and black, the club brown : wings speckled with brown beneath.
- Icarus.* Wings entire ; above with brown bands, beneath with alternate white and black bands.
 Inhabits *Surinam*. *Cramer* 2 tab. 22. fig. G. H.
 Wings with 4 bands above and a dot between the first and second.
- Parfemon.* Wings entire brown ; beneath cinereous with white waves ; lower-ones with ocellar black dots at the base and eye at the tip.
 Inhabits *Africa*. In the museum of *Sir. Jos. Banks*.
Antennae annulate with white, the club brown : wings beneath with a kidney-shaped spot in the middle and whitish bands behind, lower-ones with 5 black dots annulate with white at the base and a black eye at the angle of the tail with a rufous ring on the fore-part and a gold one behind.
- Damoetes.* Wings entire brown ; beneath with cinereous waves, lower-ones with a double gilt eye.
 Inhabits *New Holland*. In the Museum of *Sir Jos. Banks*.
 Angle of the tail beneath with 2 black eyes annulate on the fore-part with yellow behind with gold.
- Ceraunus.* Wings entire brown with a blue gloss ; beneath cinereous lower-ones with ocellar black dots at the base and an eye and dot at the tip.
 Inhabits *South American Islands*.
 Lower-wings above with marginal black dots. Beneath the upper-pair waved with white at the tip ; lower-ones with a black eye at the tip the iris fulvous, at the angle of the tail a black dot.

- Casilina.* Wings entire brown with a blue gloss ; beneath with white bands and 2 blue eyes at the angle of the tail.
Inhabits *South American Islands.*
Antennae annulate with white and black, the club black tipped with white : *body* blueish : the *eyes* at the angle of the tail half blue half black.
- Minereus.* Wings entire brown ; lower-ones beneath with ocellar red dots and an eye at the angle of the tail.
Inhabits *America* ; small.
Antennae brown annulate with white, the club rufous at the tip : *lower-wings* with ocellar black dots at the margin above. Beneath cinereous, upper-pair spotted at the tip, lower-ones with red dots annulate with white and an eye at the angle of the tail with a fulvous ring.
- Hylax.* Wings entire, above brown immaculate, beneath cinereous dotted with black.
Inhabits *East India* : very minute.
Antennae annulate with brown and white.
- Telephus.* Wings entire black, upper-pair dotted with white ; lower-ones above rufous at the base, beneath blue varied with black.
Inhabits *America* ; small.
- Emylus.* Wings entire black dotted with white, upper-pair with a yellow band ; all beneath variegated.
Inhabits *Surinam.* *Cramer.* 6. *tab.* 66. *fig.* G. H.
All the *wings* beneath yellowish varied with black.
- Caricae.* Wings entire brown with a common white disk, the border cinereous subocellate.
Inhabits *America.* *Cramer.* 15. *tab.* 170. *fig.* E.
- Pelops.* Wings entire white with a common brown border on which are fulvous spots and a streak behind.
Inhabits *Cayenne.* *Cramer* 15. *tab.* 170. *fig.* F.
- Lamis.* Wings entire brown with a common abbreviated white and fulvous band.
Inhabits *Cayenne.* *Cram.* 28. *tab.* 335. *fig.* F. G.
All the *wings* with a broad white band in the middle and fulvous one behind, the margin with white lunules.

- Cachrys.* Wings entire yellowish with a common brown border spotted with white.
Inhabits *Cayenne*.
- Lagus.* Wings entire blue with a double white spot on the upper-pair, beneath cinereous with black lines.
Inhabits *Surinam*. *Cramer* 10. tab. 117. fig. F, G.
Upper-surface of the wings with a black border.
- Maecenas.* Wings oblong, both surfaces alike, black with a common red band and line on the upper-pair.
Inhabits *Guadeloupe* : small.
- Mantus.* Wings oblong entire, variegated blue and brown with a common white band.
Inhabits *Africa*. *Cram.* 4. tab. 74. fig. F. G.
Wings beneath brown variegated with white.
- Midas.* Wings subangular brown with a whitish spot; beneath white at the base with a rufous streak.
Inhabits *India*.
Upper-wings with 2 whitish spots above, lower-ones with one: lower-wings beneath with a broad white base, the tip brown with a ferruginous streak in which are a few black dots.
- Bibulus.* Wings entire brown; beneath white with a silvery band dotted with brown on the lower-pair.
Inhabits *India*. *Jones Fig. pict.* 6. tab. 39. fig. 2.
Upper-wings with a cinereous patch in the middle; beneath a few brown dots at the tip with silvery rings, the margin with a silvery streak.
- Æfopus.* Wings entire; above brown with a white spot, beneath white immaculate.
Inhabits *India*. *Drury Inf.* 2. tab. 9. fig. 3. 4.
- Phaedrus.* Wings entire fulvous with a brown margin; beneath white immaculate.
Inhabits *India*. *Cramer.* 20. tab. 238. fig. C.
- Bias.* Wings entire black with a blue gloss; beneath brown with a white hind-margin.
Inhabits *Cayenne*.
- Phareus.* Wings entire, both surfaces nearly alike, red with a black border.
Inhabits *Surinam*. *Cramer.* 15. tab. 17. fig. 6.

- Tacitus.* Wings entire fulvous, outer-margin of the upper-pair black spotted with yellow.
Inhabits *Surinam*. *Jones Fig. pict. 6. tab. 46. fig. 3.*
All the wings fulvous with a fine black border.
- Cænus.* Wings entire white, outer-margin of the upper-pair brown spotted with white.
Inhabits *India*. *Jones Fig. pict. 6. tab. 55. fig. 2.*
Upper-wings with an oblong blue spot at the base and rufous rib, the tip with 2 white spots, beneath a broad ferruginous outer margin with 2 transverse white spots.
- Procas.* Wings entire, both surfaces alike, black with yellow disk, on the upper-pair a yellow spot.
Inhabits *Surinam*. *Jones Fig. pict. 6. tab. 55. fig. 1.*
- Alphonfus.* Wings entire black; upper-pair with 2 yellow spots, lower-ones with a single one at the base.
Inhabits *Surinam*.
Upper-wings with a large transverse yellow spot at the base and tip.
- * *Hippothoe* Wings entire orange edged with black and white; beneath cinereous with numerous black ocellar dots.
Inhabits *Europe*. *Donovan vii. tab. 217. Lewin. tab. 40.*
Male with a black lunule and spot on the upper-wings and lunule on the lower-ones: *female* with numerous black dots on the upper-pair and a broad black base on the lower-ones.
- * *Virgaureæ* Wings subangular fulvous edged with black; beneath with black and white dots
Inhabits *Europe*. *Donovan v. tab. 173. Lewin tab 41.*
Lower-wings notched at the hind-margin: *female* with black spots above.
Larva green with a yellowish dorsal line and a paler lateral one, the head black.
- Chryseis.* Wings gold with a blueish margin; lower-ones slightly indented, beneath dull grey with numerous ocellar dots.
Inhabits *Austria*. *Natursf. 6. tab. 28. fig. 18.*
Male with shining gold wings with a black lunule and blue margin edged with white; upper-wings beneath with a fulvous disk and numerous dots: *female* above brown with a fulvous gloss, upper-pair with a few darker dots, lower-ones with a band dotted with black: beneath like the male.

- Salustius.* Wings entire fulvous varied with black : upper-pair beneath dotted with black, lower-ones cinereous with brown spots.
Inhabits *India*. *Jones Fig. pict. 6. tab. 59. fig. 1.*
- Florus.* Wings entire, fulvous edged with black ; the base beneath dotted with black.
Inhabits *India*. *Jones Fig. pict. 6. tab. 59. fig. 3.*
Body fulvous : *upper-wings* with 2 brown dots.
- Hiere.* Wings brown dotted with black ; beneath cinereous with numerous ocellar dots.
Inhabits *Austria*. *Wien. Verz. 328. 8.*
Male with brownish wings, upper-pair with a blue, lower-ones with a fulvous gloss : *female* brown dotted with black with a fulvous band dotted with black on the lower-ones and behind this a few blue lunules.
- *Pblacas* Wings entire fulvous dotted with black ; beneath blueish.
Inhabits *Europe*. *Lewin tab. 41. Merian tab. 164.*
Lower-wings with a small angle behind.
- Arcas.* Wings entire fulvous with black margin and dots ; lower-ones beneath grey immaculate.
Inhabits the *Cape of good hope*.
Upper-wings with 2 black dots in the middle and a streak of 5, 6 behind, beneath 3 subocellar ones at the base : *lower-wings* with a streak of black dots on the male, the female immaculate, beneath grey.
- Ballus.* Wings entire fulvous (female brown) with a brown margin ; lower-surface of the upper-pair dotted with black, of the lower-ones green edged with brown.
Inhabits *Spain*. *Body* brown.
- Helle.* Wings entire dusky with a blue gloss ; all beneath with numerous ocellar dots.
Inhabits *Germany*. *Esp. pap. tab. 58. fig. 4.*
Wings with a few fulvous lunules at the tip ; lower-ones beneath with a fulvous band near the tip.
- Xanthe.* Wings nearly entire brown with black dots and a marginal fulvous band ; beneath yellowish with numerous dots.

Inhabits.

Inhabits *Russia. Wien Verz.* 181. 6.

Wings beneath greenish with numerous ocellar black dots, upper-pair with a fulvous disk, lower-ones with a fulvous band.

Garbas. Wings brown dotted with black and edged with white; beneath greenish with numerous dots.

Inhabits *Austria. Wien. Verz.* 181. 7.

This is probably the other sex of the last.

Thersamon Wings slightly tailed fulvous with numerous ocellar dots beneath; upper-pair beneath fulvous, lower-ones cinereous.

Inhabits *Russia. Esp. pap. tab. 89. fig. 6.*

Male upper-wings fulvous edged with black, lower-ones darker with a fulvous band behind. Beneath upper-pair with 3 black dots and a streak of ocellar ones, lower-ones cinereous with numerous ocellar dots and a fulvous band behind: female wings above dotted with black, the tail very long.

Lucianus Wings entire dotted with black; above fulvous, beneath cinereous.

Inhabits *Guadeloupe.*

Body brown; abdomen fulvous: antennae black with silvery rings, the club brown: wings above fulvous with brown waves and a streak of dots behind.

Pantheus Wings entire fulvous spotted with black; tip of the lower-ones white dotted with black.

Inhabits *Surinam. Cramer. tab. 143. fig. E.*

Lower-wings fulvous at the base and spotted with black, the tip with a large marginal brown spot and 4 submarginal black ones.

Utricus. Wings entire glossy-blue; beneath pale chestnut-brown at the base, upper-pair with a tripupillate eye.

Inhabits *Surinam. Cramer 9. tab. 100. fig. E. F.*

Wings olive at the tip with a nut-brown band.

Thyra. Wings indented, the disk fulvous dotted with black; beneath purplish with silvery spots.

Inhabits *Guinea.*

Zeuxo. Wings entire, the disk fulvous dotted with black; upper-pair with silvery spots beneath.

Inhabits *Africa.*

Upper-wings beneath with numerous black spots with a silvery blue pupil, *lower-ones* immaculate.

Juba. Wings entire black with a fulvous disk ; beneath with a white band and abbreviated streaks.

Inhabits *Sierra Leona*; small.

Lower-wings with a rufous blotch at the hind-margin, beneath 2 black dots with silvery specks at the angle of the tail.

Lara. Wings entire subtestaceous; upper-pair with one eye above, lower-ones with 2.

Inhabits *Africa*.

Eyes black with a white iris : beneath upper-pair with 2 eyes, those on the lower-ones blind.

Cephus. Wings entire brown ; beneath with blue bands and a single eye on the upper-pair and 2 on the lower-ones.

Inhabits *India*.

Domitianus Wings entire brown, upper-pair with a green spot; lower-ones with a green band ; beneath pale ferruginous with silvery dots and marginal streak.

Inhabits *Guadelope* ; small.

Lower-wings with a green streak before the margin and a silvery one in the margin ; *upper-wings* with a streak of black dots before the margin and a silvery one in the margin.

Livius. Wings entire black with a blue spot on the disk ; lower-ones beneath cinereous with rufous bands silvery at the edge.

Inhabits *India*. *Jones Fig. pict. 6. tab. 38. fig. 1.*

Upper-wings beneath with a large oblong yellow spot at the base with a silvery edge, the tip yellowish with a broad brown band silvery at the edge : *lower-wings* beneath yellowish on the hind-margin with a silvery band.

Remulus. Wings entire brown ; beneath green with a rufous spot on the lower-ones

Inhabits *India*. *Jones Fig. pict. 6. tab. 61. fig. 4.*

Acteris. Wings entire; both surfaces alike, brown dotted with white.

Inhabits *Surinam*. *Cramer 8. tab. 93. fig. D.*

Cassius. Wings entire ; above white with a brown border on the upper-pair and 5 white dots on the hind-margin of the lower-ones.

Inhabits

Inhabits *Surinam*. *Cramer. 2. tab. 20. fig. C, D.*

Upper wings with a brown border and 2 spots on the disk; beneath all white dotted with black.

Isarchus. Wings entire blue with a white band on the lower-ones; beneath varied with white and black.

Inhabits *America*. *Cramer. tab. 300. Jones 6. tab. 34. fig. 1.*

Wings beneath cinereous at the tip with black dots.

Caractacus. Wings entire brown with a white spot on the disk; beneath variegated, a brown band with a silvery edge on the lower-ones.

Inhabits *America*. *P. Laches. Jones 6. tab. 34. fig. 2.*

Upper-wings beneath brown at the base with a white line, the middle white with 2 black and 2 silvery dots annulate with brown, the margin brown with silvery dots: *lower-wings* beneath cinereous at the base with 2 marginal silvery dots annulate with brown and a single black one, in the middle a waved band, then white, the tip cinereous with silvery dots.

Ouranus. Wings entire both surfaces alike, black with a common white band ending in a red spot behind.

Inhabits *Surinam*. *Cramer. tab. 335. Jones 6. tab. 55. fig. 4.*

Haraldus. Wings entire blue with a black border; beneath white, the margin dotted with black.

Inhabits *East India*.

Antennae black annulate with white: *wings* beneath white with a streak of black lunules towards the margin, then larger lunules with a black dot.

Talus. Wings entire with brown and blue bands, and an abbreviated red band beneath.

Inhabits *Surinam*. *Cramer. 1. tab. 7. fig. C, D.*

Nelus. Wings entire, both surfaces alike, black; upper-pair with 10 white dots, lower-ones with a white disk.

Inhabits *India*. *Clerk. tab. 45. fig. 2. Seba. 4. tab. 3. fig. 11, 12.*

Antennae hooked. This properly belongs to the *urbicolor* as having the marks lighter than the general colour of the *wings*.

Atkemon. Wings entire brownish with a common white disk and a brown half band behind.

Inhabits *America*. *Clerk Icon. tab. 37. fig. 2. tab. 46. fig. 3.*

Regulus. Wings entire black with 2 yellow bands, the posterior one on the upper-wings interrupted.

Inhabits *India*. *Jones Fig. pict. 6. tab. 86. fig. 4.*

Elisson. Wings entire black with 3 yellowish bands, the hind-one interrupted
Inhabits India. *Cramer. 7. tab. 83. fig. C.*

Tarquinius. Wings entire black; upper-pair with an oblong yellow sinuate spot at the base, lower-ones yellow spotted with black at the angle of the tail.

Inhabits India. *Jones Fig. pict. 6. tab. 45. fig. 4.*

Wings beneath cinereous with numerous reddish spots annulate with white; disk of the upper-pair yellow spotted with black.

Cervellus. Wings entire yellowish with a brown border; beneath white with a red streak in the middle and marginal lunules.

Inhabits Cayenne. *Jones Fig. pict. 6. tab. 36. fig. 2.*

Ptolomæus. Wings entire ferruginous with brown streaks; beneath blue, paler at the base.

Inhabits India. *Jones Fig. pict. 6. tab. 36. fig. 3.*

Body brown with dorsal ferruginous dots.

Archimedes. Wings entire black with a blue disk; beneath brown immaculate.

Inhabits India. *Jones Fig. pict. 6. tab. 36. fig. 4.*

Lucius. Wings entire, both surfaces nearly alike, fulvous with black waves.

Inhabits India. *Jones Fig. pict. 6. tab. 39. fig. 1.*

Wings a little blueish at the base beneath.

Oriaius. Wings entire dotted with gold; above fulvous, beneath yellowish.

Inhabits India. *Cramer. tab. 271. Jones 6. tab. 39. fig. 4.*

Margin of the wings dotted with brown.

Suetonius. Wings entire yellow with a brown border; under-surface of the upper-pair with silvery black dots, of the lower-pair cinereous.

Inhabits India. *Jones Fig. pict. 6. tab. 85. fig. 3.*

Lower-wings beneath cinereous spotted with brown.

Electron. Wings entire, both surfaces alike, black with a yellow band and sanguineous dot at the tip.

Inhabits Cayenne.

All the wings with a yellow band; at the base a large red dot.

Sagaris.

- Sagaris.* Wings entire black with a common transverse fulvous spot.
Inhabits *Surinam*. *Cramer.* 7. *tab.* 83. *fig.* D.
Wings beneath immaculate.
- Euriteus.* Wings entire black with a blue spot; beneath rufous in the middle with white bands.
Inhabits *Surinam*. *Cramer.* 13 *tab.* 152. *fig.* D, E.
All the wings beneath yellow at the base, then rufous with 3 white bands; lower-ones yellow at the tip with a divided black and white spot.
- Phereclus.* Wings entire, both surfaces alike black; upper-pair with a linear red band.
Inhabits *America*. *Cramer.* 15. *tab.* 178. *fig.* D.
- Lysippus.* Wings angular brown, all of them with a red streak, beneath with cinereous dots.
Inhabits *America*. *Clerk.* *tab.* 22. *fig.* 2. *Drury* 1. *t.* 2. *f.* 3.
- Emulius.* Wings entire cinerous spotted with brown and white, the lower-ones pale above: beneath all dotted with brown.
Inhabits *India*. *Jones Fig. pict.* 6. *tab.* 4. *fig.* 4.
Some of the brown spots on the lower-surface of the upper-wings surrounded with a white ring.
- Geminus.* Wings rounded blue, with a black border in which is a blue streak; lower-ones beneath subfasciate with brown.
Inhabits *America*. *Jones Fig. pict.* 6. *tab.* 35. *fig.* 2.
Upper-wings with a black band at the tip, beneath blue with a brown streak and tip: lower-ones with a black spot at the base, beneath with numerous brown bands.
- Encasus.* Wings entire black with a yellow disk; lower-ones beneath red with square brown spots,
Inhabits *India*. *Jones Fig. pict.* 6. *tab.* 36. *fig.* 3.
Upper wings beneath yellowish with square brown spots on the disk and brown hind-margin: lower-ones beneath red speckled with yellow and with a few square brown spots.
- Perditus.* Wings entire, both surfaces alike, black with a fulvous band.
Inhabits *Cayenne*. *Drury Inf.* 3. *tab.* 8. *fig.* 2.
- Pyramis.* Wings entire brown with a blue gloss and a fulvous band; lower-ones beneath grey.

Inhabits

Inhabits Cayenne. In the museum of Mr. Yeats.
Lower-wings beneath varied with cinereous and brown.

Priassus. Wings entire both surfaces alike, black; upper-pair with a double fulvous band.

Inhabits India.

The 2 bands are united by a small fulvous spot; *lower-wings* black immaculate.

Thucydides. Wings entire black with a fulvous spot on the disk; beneath cinereous with rufous waves.

Inhabits India. Jones Fig. pict. 6. tab. 6. fig. 4.

Virgilius. Wings entire black with a blue thinner margin; beneath grey with 3 whitish lunules including a black dot on the lower-ones.

Inhabits India. Jones Fig. pict. 6. tab. 37. fig. 3.

Blue margin of the *upper-wings* with a black spot, of the *lower-ones* with marginal black dots.

Petronius. Wings entire blue streaked with black; beneath brown-cinereous dotted with black.

Inhabits India. Jones Fig. pict. 6. tab. 37. fig. 4.

Namitor. Wings entire brown with a yellow disk on the lower-ones; beneath yellow immaculate.

Inhabits India. Jones Fig. pict. 6. tab. 40. fig. 2.

Upper-wings beneath brown with a yellow border.

Pbiliasus. Wings entire brown, spotted beneath; lower-ones with 2 eyes above on the hind-part and one beneath.

Inhabits Africa.

Gyas. Wings entire brown; beneath fulvous with punctured gold streaks.

Inhabits Surinam. Cramer. 3. tab. 28. fig. F, G.

Aegon. Wings entire brown with numerous macular fulvous bands.

Inhabits Jamaica: very minute.

Lower-wings beneath pale cinereous.

Hesperia. Urbicolæ.

Exclamatus. Wings entire divaricate brown; upper-pair with a yellowish line and dots under it.

Inhabits India. Body entirely brown.

- * *Comma*. Wings entire divaricate fulvous with a black line on the upper-pair; beneath spotted with white.
 Inhabits *Europe*. *Donovan*. ix. tab. 295. *Lewin*. tab. 45. fig. 1, 2.
 The other sex is without the black line.
Larva shining red with a black head and white streak on the collar; *pupa* long cylindrical.
- Propertius*. Wings divaricate black spotted with yellow; lower-ones beneath with alternate rufous and yellow bands.
 Inhabits *India*. *Jones Fig. pict.* 6. tab. 73. fig. 1.
Antennæ hooked: upper-wings with 2 marginal lines and yellow spots at the base, beneath varied with black yellow and rufous: lower-wings with a yellow band above.
- Tibullus*. Wings entire; upper-pair black spotted with yellow, lower-ones yellow with a black border.
 Inhabits *India*. *Jones Fig. pict.* 6. tab. 76. fig. 1.
 Lower-wings beneath variegated.
- Linea*. Wings entire divaricate fulvous edged with black.
 Inhabits *Austria* *Esf. Pap.* tab. 36. fig. 2, 3.
Antennæ above black, beneath yellowish: wings with a small black line in the middle and whitish fringe: female without the line on the upper wings.
Larva solitary green immaculate: *pupa* green, inclosed in a very thin follicle.
- * *Sylvanus*. Wings divaricate dark orange with square yellow spots above and whitish ones beneath.
 Inhabits *Europe*. *Donovan*. viii. tab. 254. fig. 2. *Lewin*. t. 45. f. 1, 2, 3.
 The male has an oblique black stripe on the upper-wings.
- * *Thaumas*. Wings divaricate orange with a darker patch at the base; upper-pair (in the male) with a black line in the middle.
 Inhabits *Europe* and *America*. *Lewin*. tab. 45. fig. 5, 6, 7.
- Otha*. Wings divaricate brown with fulvous spots at the base and nearly square yellow ones each side on the disk.
 Inhabits *America*. *Smith's Lepidop. Inf. of Georgia*.
- Argiat*. Wings divaricate fulvous with an oblique black band and hind-margin.
 Inhabits *India*. *Antennæ* mucronate.

Vitelius. Wings divaricate fulvous; upper-pair with a brown margin and spot in the middle, lower-ones with a brown border.

Inhabits *South American Islands.*

Antennæ annulate, the club brown: all the *wings* beneath fulvous immaculate.

Colox. Wings divaricate fulvous with a brown striate margin and spot in the middle.

Inhabits *India.*

Antennæ annulate with black and fulvous, the club hooked fulvous at the base and tip with black: *wings* beneath fulvous immaculate.

* *Paniscus.* Wings entire divaricate, dark brown with fulvous spots.

Inhabits *Europe.* *Donovan's Eng. Inf. viii. tab. 254. fig. 1.*

Upper-wings sometimes brown with fulvous spots, sometimes fulvous with brown spots: *lower-wings* with yellow spots beneath.

Helirius. Wings entire divaricate brown edged with black; upper-pair with a central yellow dot.

Inhabits *Surinam.* *Cramer. 5. tab. 60. fig. C.*

Antennæ hooked.

Sæurnus. Wings divaricate brown; upper-pair dotted with white; lower-ones striate beneath with white,

Inhabits *Cayenne.*

Origenes. Wings divaricate, both surfaces alike, brown with a streak of white dots; upper-pair testaceous at the base.

Inhabits *India.* *Jones Fig. pict. 6. tab. 74. fig. 2.*

Nostradamus. Wings divaricate brown; upper-pair with a macular whitish band above; lower-ones cinereous beneath.

Inhabits *Barbary.*

Club of the *antennæ* ferruginous; *body* above brown, beneath cinereous: *lower-wings* above brown immaculate.

Phineus. Wings subangular divaricate brown with an interrupted yellow band on the upper-pair.

Inhabits *Surinam.* *Cramer. 15. tab. 176. fig. E.*

Antennæ hooked; *abdomen* black with yellow belts.

- Helius.* Wings subdivaricate brown; lower-ones fulvous at the inner-margin.
Inhabits *Surinam*. *Cramer. 17. tab. 189. fig. B.*
Lower-wings with a large ovate fulvous spot at the inner-margin
- Metis.* Wings entire brown with scattered fulvous spots; lower-ones beneath immaculate.
Inhabits the *Cape of good hope*. *Cramer. 14. tab. 162. fig. G.*
- Dioscorides.* Wings entire brown spotted with yellow; lower-ones beneath yellow with brown waves.
Inhabits *Tranquebar*.
Upper-wings beneath fulvous, the disk brown spotted with yellow.
- Plutargus.* Wings entire brown speckled with gold; upper-pair with a testaceous spot at the tip above and testaceous outer-margin beneath.
Inhabits *India*. *Jones Fig. pict. 6. tab. 75. fig. 1.*
- Epictetus.* Wings entire black with a yellow disk; upper-pair with a brown spot including a yellow lunule; lower-ones beneath yellow immaculate.
Inhabits *India*. *Jones Fig. pict. 6. tab. 75. fig. 3;*
- Silenus.* Wings tailed brown; beneath pale chestnut with a yellowish streak.
Inhabits *Africa*. In the museum of Sir. *Jos. Banks.*
Wings with a blue spot at the base, the tail filiform and nearly as long as the wings.
- Orion.* Wings tailed brown; upper-pair with semitransparent spots; lower-ones with white tails.
Inhabits *Surinam*. *Cramer. 13. tab. 155. fig. A, B.*
- Eudoxus.* Wings tailed brown; upper-pair with a white band each side, lower-ones on the under-surface only.
Inhabits *Surinam*. *Cramer. 31. tab. 366. fig. G, H.*
Wings tailed and greenish at the base.
- Proteus.* Wings tailed brown with transparent spots; antennæ hooked.
Inhabits *America*. *Merian Surinam. tab. 63. fig. 2.*
The spots on the wings vary in number and colour.
Larva glabrous green with a black dorsal line and yellow sides
neck black: *pupa* brown:

- Chemnis.* Wings slightly tailed brown with hyaline spots and yellow hind-margin.
Inhabits *India*. *Jones Fig. pict. 6. tab. 86. fig. 2.*
Antennae hooked : *body* dull ferruginous.
- Tityrus.* Wings slightly tailed brown ; upper-pair with a yellow band each side ; lower-ones with a silvery streak beneath.
Inhabits *America*. *Cramer 4. tab. 41 E. F.*
Antennae black hooked : *upper-wings* with a yellow spot or 2 at the tip,
- Murcus.* Wings slightly tailed brown with hyaline spots.
Inhabits *India*. *Jones Fig. pict. 6. tab. 88 f. 1*
Body ferruginous ; *base* of the *wings* a little ferruginous.
- Meatus.* Wings slightly tailed black ; upper-pair with hyaline spots ; lower-ones beneath brown with a white band at the base.
Inhabits *India*. *Cram. tab. 176. f. D. Jones. 6. tab 87. f. D*
Antennae hooked : *upper-wings* with a white band beneath.
- Epitus.* Wings slightly tailed brown spotted with yellow ; lower-ones beneath with a silvery band.
Inhabits *Surinam*. *Cramer 29. tab. 343. E. F.*
Resembles *P. Tityrus*, but the wings are less tailed and the silvery band much broader.
- Lycidas.* Wings slightly-tailed brown with black teeth ; upper-pair with a yellow band each side ; lower-ones beneath clouded with brown at the base and afterwards white.
Inhabits *America*. *Smith's Lepidopt. Inf. of. Georgia.*
- Nicias.* Wings slightly tailed fulvous ; upper-pair brown at the tip with a yellow hyaline spot.
Inhabits *Cayenne*
Body fulvous : *antennae* hooked black : *upper-wings* fulvous at the base with a brown dot : *lower-wings* fulvous with brown dots.
- Mercurius.* Wings slightly tailed brown, yellow at the base with hyaline dots on the upper-pair ; lower-ones beneath black with a cinereous band.
Inhabits *Cayenne*. *Cramer. tab. 260. Jones 6. t. 85. f. 2.*
Body yellowish : *abdomen* black, the edges of the segments white.
Tlyphs

- Thyrsis.* Wings slightly tailed brown with a yellow band on the upper-pair; beneath all of them purple speckled with yellow.
Inhabits *America*. *Cram.* 2. *tab.* 18. *F.* ?
Upper-wings with 3 small yellow dots at the tip, beneath the same.
- Alphacus.* Wings slightly tailed black with a red band; beneath variegated.
Inhabits the *Cape of good hope*. *Cram.* 16. *t.* 182. *fig.* E. *F.*
Red band on the *upper-wings* abbreviated.
- Pretus.* Wings slightly tailed black spotted with green; beneath subferruginous spotted with yellow.
Inhabits the *Cape*. *Cram.* 16. *tab.* 182. *f.* C. *D.*
- Phocas.* Wings slightly tailed brown with diaphanous spots; lower-ones beneath with a black dot at the base.
Inhabits *America*. *Cram.* 14. *tab.* 162. *fig.* *F.*
Antennae hooked. ferruginous at the tip: *lower-wings* beneath glaucous with 3 darker bands and a black dot at the base.
- Momus.* Wings slightly tailed brown with hyaline streaks at the base and spots at the tip
Inhabits *Cayenne*. *Cram.* *tab.* 366. *Jones* 6. *t.* 90. *f.* 1.
Antennae hooked black.
- Vespasius.* Wings slightly tailed rusty-brown; upper-pair with yellowish dots at the tip.
Inhabits *L.a.a.* *Jones* *Fig. pict.* 6. *tab.* 86: *fig.* 1.
- Rhetus.* Wings slightly tailed fulvous; outer-margin of the lower-ones blue-black.
Inhabits *Surinam*. *Cramer* 6. *tab.* 63. *fig.* *G.*
Outer-margin of the *upper-wings* reflected.
- Chonias.* Wings slightly-tailed black; upper-pair with a snowy band; lower-ones beneath blueish; tail sanguineous.
Inhabits *Surinam*. *Cram.* 7. *tab.* 80. *fig.* C. *D.*
Wing-tails short and divergent.
- Acastus.* Wings slightly tailed black; upper-pair with a snowy band; lower-ones beneath greenish with abbreviated yellow streaks.

Inhabits

Inhabits *Surinam*. *Cram.* 10. *tab.* 111, *fig.* D. E.

Palemon. Wings slightly tailed blueish; upper-pair with a rufous dot in the middle; lower-ones rufous at the angle of the tail.

Inhabits *Surinam*. *Cram.* 11. *tab.* 131. *fig.* F.

Antennæ hooked: *feelers* and streak on the hind-part of the *head* red: hind-margin of the *wings* whitish.

Julianus. Wings slightly tailed brown; upper-pair spotted with yellow; lower-ones beneath varied with brown and glaucous.

Inhabits *Jamaica*. *Hesperia Phocion.* *Fabric.* n. 274.

Antennæ hooked brown, beneath ferruginous: *body* brown, beneath ferruginous; hind-margin of the *upper-wings* white dotted with brown; margin of the *lower-wings* white dotted with brown.

Brontes. Wings slightly tailed, both surfaces alike, brown; upper-pair with a snowy band; lower-ones with a snowy margin.

Inhabits *America*. In the museum of *Dr. Hunter*.

Antennæ hooked: both surfaces of the *wings* alike.

Arinus. Wings tailed, both surfaces alike, black; upper-pair with a transverse, snowy spot; tail sanguineous.

Lower-wings subemarginate and whitish at the edge.

Alexis. Wings tailed brown; lower-ones with a blueish band beneath.

Inhabits *India*.

Antennæ hooked, black.

Mithridates Wings rounded black with a purple spot and band behind including paler lunules.

Inhabits *India*. *Jones.* *Fig. pict.* 5. *tab.* 25. *fig.* 1.

Antennæ hooked: *body* black with purple spots: *wings* beneath black with 2 macular purple bands.

Jupiter. Wings without tails black with a green gloss, beneath green with black veins and margin: head and tail sanguineous.

Inhabits *Africa*. *Jones* *Fig. pict.* 3. *tab.* 76.

Body black: *wings* striate, whitish at the tip.

Cassander. Wings without tails, both surfaces alike brown immaculate.

Inhabits—*Jones. Fig. pict. 6. tab. 24. fig. 1.*

Antennae hooked: resembles *P. pygmaeus*.

Polybius. Wings without tails black; upper-pair with a fulvous spot; lower-ones yellow at the angle of the tail.

Inhabits *India.* *Jones Fig. pict. 6. tab. 24. fig. 2.*

Hind-margin of the wings snowy.

Tbrax. Wings without tails brown with a few diaphanous spots; antennæ hooked.

Inhabits *India.* *Cram. 6. t. 68. f. E. t. 342. f. A. B and C.*

Antennae black annulate with white: base of the wings often yellowish greenish or blueish.

Ennius. Wings brown; upper-pair with hyaline spots; lower-ones above black with a yellow disk, beneath brown with a white disk.

Inhabits *India.* *Jones. Fig. pict. 6. tab. 89. fig. 1.*

Antennae hooked: lower-wings with marginal yellow spots above, beneath spotted with black.

Scipio. Wings without tails; upper-pair with a hyaline white band each side, above black, beneath green.

Inhabits *India.* *Jones. Fig. pict. 6. tab. 87. fig. 1.*

Antennae hooked: all the wings above black with a blueish base.

Marcus. Wings without tails brown with hyaline spots; lower-ones beneath with 2 yellowish fillets, the thinner margin fulvous.

Inhabits *Cayennae*; small.

Antennae hooked. Lower-wings with a white thinner margin and large spot in the middle above.

Flelus. Wings without tails brown; upper-pair with diaphanous spots; disk of the lower-ones white dotted with black.

Inhabits *Africa.*

Antennae hooked black

Cicero. Wings rounded brown; upper-pair with white hyaline spots; lower-ones with a white hyaline disk.

Inhabits.

Inhabits *East India*. *Antennae* hooked.

Margin of the *wings* spotted with white ; *lower-ones* beneath with a brown spot in the white disk.

Atticus Wings rounded ; upper-pair brown with black spots and hyaline dots ; lower-ones hyaline with black spots.

Inhabits *India*. *Antennae* hooked.

Clericus Wings rounded brown subfasciate with black ; upper-pair with hyaline dots.

Inhabits *South America*,

Upper-wings with a few hyaline spots behind the bands.

Lucas Wings without tails brown ; upper-pair with yellow hyaline spots on both surfaces.

Inhabits *South America*, *Antennae* hooked.

Juvenalis Wings without tails brown ; upper-pair spotted with black and dotted with white.

Inhabits *America*. *Jones Fig. pict. 6. tab. 78. f. 1.*

Lower-wings with a submarginal streak of cinereous spots marked with a black dot,

Bathyllus Wings without tails brown ; upper-pair with diaphanous square white spots ; lower-ones beneath with clouded waves.

Inhabits *America*, *Smith's Lepidopt. Inf. of Georgia*.

Aecius Wings without tails brown ; upper-pair with white diaphanous spots ; all of them beneath palish purple at the tip.

Inhabits *America*, *Smith's Lepidopt. Inf. of Georgia*.

Nepos Wings rounded black ; upper-pair dotted with white ; lower-ones white at the angle of the tail above and beneath with a white disk.

Inhabits *Inaia*. *Jones Fig. pict. 6. tab. 79. fig. 2.*

Lower-wings dotted with white : beneath white, the base spotted with brown, the tip black spotted with white,

Nerva Wings entire ; upper-pair brown spotted with white : lower-ones above black immaculate.

Inhabits

Inhabits *India*. *Jones Fig. pict. 6. tab. 70. fig. 3.*
 All the *wings* beneath yellowish with black and white spots.

Caesar. Wings entire ; upper-pair brown with diaphanous spots
 lower-ones black with a snowy spot in the middle.
 Inhabits *India*. *Jones Fig. pict. 6. tab. 79. fig. 4.*
 Disk of the *lower-wings* beneath cinereous dotted with black.

Terullianus Wings entire rounded blueish spotted with black, the up-
 per-pair with white dots besides.
 Inhabits *India*. *Jones Fig. pict. 6. tab. 81. fig. 1.*
Antennae hooked : *wings* brown beneath with the same marks as
 above,

Orcus Wings rounded brown ; upper-pair spotted with yellow ;
 lower-ones beneath blueish.
 Inhabits *India*. *Jones Fig. pict. 6. tab. 91. fig. 4.*
Antennae hooked : *body* brown : *lower-wings* with obsolete blue
 bands, beneath blueish edged with black.

Dan Wings without tails, dull cinereous dotted with brown, up-
 per-pair with hyaline spots.
 Inhabits *Tranquebar*. *Antennae* hooked.

Nothus. Wings without tails brown ; upper-pair with hyaline dots ;
 lower-ones beneath white, the margin brown with 6
 ocellar dots.
 Inhabits *America*. In the museum of Dr. *Hunter*.
Lower-wings beneath white with 3 silvery-blue dots surrounded
 with a brown ring.

Silvius Wings without tails brown, the disk yellowish spotted
 with brown ; lower-ones beneath cinereous with
 brown waves.
 Inhabits the *Cape of good hope*.

Salus Wings indented fulvous with black bands ; upper-pair
 with hyaline spots ; lower-ones hyaline in the cen-
 tre.
 Inhabits *Surinam*. In the museum of Dr. *Hunter*.
Body fulvous : *abdomen* annulate with black.

Jacchus Wings without tails spotted with yellow ; lower-ones with
 6 snowy dots.
 Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Antennae hooked, annulate with white and black : *wings* brown ;

lower-ones with a yellow spot on the disk above, beneath with 6 white dots of which one is in the centre and the rest at the tip.

Gnetus. Wings indented, both surfaces nearly alike, black; upper-pair with 3 hyaline spots; lower-ones with blue bands.

Inhabits *India*. *Aubert Micell. tab. 11. fig. 8. 9.*

Antennae hooked: *abdomen* with black and blue belts: hind-margin of the *lower-wings* spotted with white.

Alfarius. Wings indented black; upper-pair with yellow and white spots; disk of the lower-ones yellow with black dots.

Inhabits *India*. *Jones Fig. pict. 6. tab. 95. fig. 2.*

Antennae hooked: *upper-wings* with yellow spots at the base and white ones at the tip: beneath black with yellow bands at the base.

Anaphus. Wings entire both surfaces alike, brown; lower-ones yellow at the tip.

Inhabits *Surinam*. *Cramer 15. tab. 187. F.*

Antennae hooked: *abdomen* brown with yellow belts.

Sebalus. Wings without tails, varied with brown and black; lower-ones beneath pellow at the angle of the tail.

Inhabits *America*. In the museum of Dr. Hunter.

Antennae hooked: *wings* nearly truncate; beneath brown, angle of the tail yellow with a few brown dots.

Evadrus Wings without tails brown with a yellow disk; upper-pair with subocellar silvery dots beneath-

Inhabits the *Cape of good hope*.

Lower-wings beneath of the male varied with cinereous and brown, of the the *female* brown with cinereous dots.

Bixae Wings rounded brown greenish at the base; lower-ones beneath with a yellow band.

Inhabits *America*. *Cramer. 17. tab. 169. C, D.*

Polycletus Wings slightly tailed green-brown with a white spot on the upper-pair; beneath with fulvous silvery spots on the margin.

Inhabits *India*. *Cramer. 13. tab. 159. fig. 2.*

Aracintbus.

Araciuthus Wings rounded entire brown; lower-ones beneath grey with ocellar white spots.

Inhabits *Austria*. P. Steropes. *Esp. pap. tab. 41. fig. 1.*

Antennae annulate with white and black, the club ovate acute ferruginous: *upper-wings* with a small yellowish patch at the thicker margin; beneath brown, the tip spotted with yellow; *lower-wings* with 12 white spots furrounded with a black ring.

Bufiris. Wings oblong entire black; upper-pair with 2 yellow spots and dots; lower-ones with a yellow disk.

Inhabits *India*. *Cramer 6. tab. 23. fig. 1.*

Body black: *thorax* dotted with white: *abdomen* annulate: tip of the *upper-wings* grey: *lower-wings* fulvous with a black margin.

Pifistratus. Wings entire brown: lower-ones with a yellow disk above and a snowy band dotted with black beneath.

Inhabits *America*. *Jones Fig. pict. 6. tab. 26. fig. 1.*

Antennae hooked black: *wings* with a yellowish hue.

Hemes. Wings rounded entire black; upper-pair with a white spot; lower-ones with a white band.

Inhabits *Surinam*. *Cramer 9. tab. 103. F.*

Antennae hooked: both surfaces of the *wings* alike,

Emmelus. Wings rounded entire black; upper-pair spotted with white; lower-ones fulvous with black veins.

Inhabits *Surinam*. *Cramer 13. tab. 156. E.*

Upper wings with a small fulvous spot at the base.

Ph'lemon. Wings rounded entire black immaculate.

Inhabits *America*.

Antennae hooked spotted with white: all the *wings* shining-velvet-black.

Thrastrubulus Wings entire black with blue lunules; lower-ones beneath at the angle of the tail cinereous dotted with brown.

Inhabits *India*. *Jones Fig. pict. 6. tab. 28. fig. 1.*

Antennae hooked: *body* black.

Celfus Wings entire, both surfaces alike black; upper-pair with a yellow band.

Inhabits *India*. *Jones Fig. pict. 6. tab. 71. fig. 1.*

Antennae hooked: *lower-wings* immaculate.

- Zealeucus* Wings entire, both surfaces alike, black; lower-ones edged with white: head and tail sanguineous.
Inhabits *India*. *Jones Fig. pict. 6. tab. 25. fig. 2.*
Antennae hooked: *body* black, red at the end.
- Maenas* Wings entire glossy-green-black edged with white; lower-ones beneath with a white band: mouth and tail red.
Inhabits *America*. *Museum of Dr. Hunter.*
Antennae hooked: *body* green-black, red at the end.
- Phidias*. Wings entire glossy-black edged with white: mouth and tail red.
Inhabits *Asia*. *Cram. tab. 41. C, D. tab. 199. E.*
Lower wings beneath red before the margin.
- Amiatus*. Wings entire black with a yellow hind-margin; head and tail red.
Inhabits *America*. *Jones Fig. pict. 6. tab. 26. f. 3.*
Antennae hooked: both surfaces of the *wings* alike.
- Æsculapius* Wings entire black with fulvous spots, the margin dotted with yellow.
Inhabits *America*. *Jones Fig. pict. 6. tab. 29. fig. 4.*
Upper-wings beneath brown with a few yellow dots, lower-ones with a yellow patch at the base.
- Lycagus*. Wings rounded entire blue-green immaculate; tail red.
Inhabits *Surinam*. *Cram. 15. tab. 176. G.*
- Catullus* Wings rounded entire black; upper-pair dotted with white; lower-ones with a streak of white dots
Inhabits *India*. *Jones Fig. pict. 6. tab. 80. f. 2.*
Head white: *body* black: *lower-wings* beneath immaculate.
- Jovianus* Both surfaces of the wings alike, black; lower-ones radiate with blue and white.
Inhabits *India*. *Jones Fig. pict. 6. tab. 93. f. 2.*
Upper-wings with 2 transverse white spots at the tip and a nearly marginal streak of blue spots: *lower-wings* striate with blue and within the stripe a few white spots.
- Salvianus* Wings entire brown spotted with green; lower-ones. beneath white with a marginal streak of brown dots.

Inhabits *India*. *Jones Fig. pict. 6. tab. 94. fig. 4.*

Upper-wings beneath brown with a broad white band.

Oileus. Wings rounded entire varied with black and white ; lower-ones beneath cinereous with waved black streaks.

Inhabits *America*. *Cramer. tab. 344. I, K, L.*

Antennae black, the club ferruginous beneath.

Maimon. Wings entire white with black margin and spots.

Inhabits *Cayenne*. *Cram. 2. tab. 22 fig. 6. ?*

Antennae annulate with black and white : *abdomen* cinereous brown on the back : disk of the *wings* white with a slight blue gloss and confluent black spots.

Talaus. Wings entire both surfaces alike brown ; upper-pair with white dots and red base ; lower-ones with a white disk.

Inhabits *India*. *Cram. 33. tab. 393. C.*

Mimas. Wings entire brown with a ferruginous margin ; beneath with a streak of black dots.

Inhabits *Surinam*. *Cramer 5. tab. 52, E, F.*

Antennae a little hooked : all the *wings* beneath brown with a ferruginous edge in which is a streak of black dots.

Gentius. Wings entire, both surfaces alike yellow with a black border ; upper-pair with yellow bands.

Inhabits *Surinam*. *Cram. 15. tab. 179. C.*

Body yellow ; *upper-wings* with a dot between the bands.

Pelopidas. Wings entire ; upper-pair dull cinereous with a brown line in the middle ; lower-ones cinereous.

Inhabits *India*. *Jones Fig. pict. 6. tab. 71. fig. 2.*

Antennae hooked : *wings* beneath cinereous.

Galenus. Wings entire both surfaces alike brown spotted with yellow.

Inhabits *India*. *Jones Fig. pict. 6. tab. 71. fig. 3.*

Antennae hooked.

Meloe. Wings indented divaricate brown with cinereous waves ; upper-pair with hyaline dots ; lower-ones with white dots beneath.

Inhabits *Europe*. *Lewin. tab. 41. fig. 1, 2, 3.*

Larva grey with a black head, neck with 4 sulphur dots : *pupa* gibbous blueish.

Ara. Wings divaricate varied with brown and cinereous ; upper-pair with hyaline dots ; lower-ones beneath cinereous immaculate.

Inhabits *Russia*. *Esp. Pap. tab. 61. fig. 3.*

lower-

Lower-wings darker with macular whitish bands. Beneath all cinereous with a few marginal black dots.

Sida. Wings entire divaricate black with square white spots; lower-ones beneath cinereous with 2 yellow bands.
Inhabits *Russia*. *Esp. Pap. tab. 90. fig. 3.*

* *Fritillum.* Wings entire divaricate black dotted with white.
Inhabits *Europe*. *Lewin. tab. 46. fig. 4, 5.*
Very much resembles *P. malvæ*, but the spots are more distinct.

Galba. Wings entire divaricate black dotted with white; lower-ones beneath grey with 2 white bands.
Inhabits *Tranquebar*; resembles the last.
Segments of the *abdomen* edged with white: *upper-wings* beneath cinereous, the disk black spotted with white.

Mævius. Wings entire, above black, beneath greenish, with white lines and spots on both surfaces.
Inhabits *East India*.
Antennæ black annulate with white: *wings* above with a yellowish line or two and macular band,

Lavatera. Wings entire brown; upper-pair with white spots, lower-ones with white dots: all with a snowy lunule in the middle.
Inhabits *Germany*.
The snowy *lunule* surrounded with a black ring.

Menalcas. Wings entire, both surfaces alike, white edged with black
Inhabits *India*.
Upper-wings striate with black at the tip and margin.

Menippus. Wings entire striate brown with a broad white band in the middle of which is a brown dot.
Inhabits *Surinam*.
Lower-wings beneath whitish tipped with brown.

Clito. Wings entire, both surfaces alike black; upper-pair dotted with white; lower-ones with a white band.
Inhabits *Cayenne*.

Vibrius. Wings entire black; upper-pair with 3 white dots; lower-ones tipped with white.
Inhabits *Surinam*. *Cramer. 12. tab. 143. fig. F.*

- Curtius.* Wings entire, both surfaces alike, black; upper-pair with 4 white dots; lower-ones immaculate.
Inhabits *Surinam*. *Jones Fig. pict. 6. tab. 70. fig. 1.*
- Phoreus.* Wings entire; upper-pair brown; lower-ones yellow.
Inhabits *Surinam*. *Hesp. Phocion. Fabricius. n. 345.*
Antennae black tipped with yellow: *upper-wings* beneath yellow with ocellar white dots.
- * *Tages.* Wings entire denticulate brown with obsolete white dots.
Inhabits *Europe*. *Le-win. tab. 45. fig. 3, 4.*
Upper-wings with a few darker bands: *lower-ones* with marginal white dots.
- Niso.* Wings entire subreversed brown; upper-pair with 4 white scattered dots above.
Inhabits *India*.
- Spio.* Wings entire reversed blackish, every where spotted with white.
Inhabits *India*. The reversed wings distinguishes the species.
- Pygmaeus.* Wings entire brown immaculate.
Inhabits *India*, very small.
Body brown: *mouth* white: *antennae* with a long reddish-club.

72. SPIHINX. *Antennæ* somewhat prismatic, tapering at each end: *tongue* (mostly) exerted: *feelers* 2, reflected: *wings* de-flected. *Hawk-moth.*

These fly abroad only in the morning and evening, are very slow on the wing and often make a humming kind of noise; they extract the nectary of flowers with the tongue: the *larva* has 16 feet and is pretty active, that of the *Zygænæ* is thick fat and covered with short hairs, that of the *Sesîæ* generally naked un-armed and thinner towards the head, the others have generally a sharp erect stiff horn behind: the *pupa* is quiescent, that of the *Zeygænæ* folliculate and a little tapering forwards; the rest naked and smooth, that of the *Sesîæ* pointed at each end, of the others very obtuse behind.

A. Antennæ scaly: feelers hairy: tongue spiral.

- *Ocellata.** Wings angular, lower-ones rufous with a blue eye.
Inhabits Europe. Donovan. viii. tab. 260. Esp. 2. tab. 1.
Harris Inf. tab. 5. fig. g, h. Albin. tab. 8 fig. 2
Larva solitary tailed rough green with oblique lateral pale stripes
 and ocellar dots: *pupa* dark chesnut-brown.
- Excaecata.** Wings angular denticulate; lower-ones rufous with a blue
 epupillate eye.
Inhabits America. Smith's Lepidopt. Inf. of Georgia.
- Myos.** Wings angular; upper-pair with a yellow spot at the tip
 and posterior angle; lower-ones yellow with a blue
 epupillate eye.
Inhabits America. Smith's Lepidopt. Inf. of Georgia.
- Nessus.** Wings angular with black bands; lower-ones rufous edged
 with black: abdomen with rufous and yellow spots.
Inhabits America. Cramer. 9. tab. 107. fig. D.
Abdomen with a rufous belt at the base and 3 dots each side behind
 the middle, and between these 2 dorsal yellow spots: *upper-*
wings brownish with black bands: *lower-wings* rufous with a
 grey spot at the base and black hind-margin.
- Quercus.** Wings angular indented cinereous with darker streaks;
 lower-ones ferruginous, white at the angle of the tail.
Inhabits Germany. Esp. 2. tab. 19. Wein. tab. 1. b. fig. 1.
Larva solitary green with oblique lateral white stripes and rufous
 stigmata: *pupa* chesnut with rufous margin.
- Modesta.** Wings angular cinereous with 4 darker streaks; lower-
 ones immaculate.
Inhabits Tranquebar.
Antennæ ferruginous with a white line.
- Lugubris.** Wings angulate pale chesnut; upper-pair with a subocellar
 black dot.
Inhabits South American. Drury 1. tab. 28. fig. 2.
- Lusca.** Wings angular dusky with a black dot; lower-ones black
 with a fulvous band.
Inhabits South America Islands.
Upper-wings cinereous with brown flexuous bands: *lower-wings*
 cinereous at the angle of the tail with a fulvous blotch: be-
 neath dull grey immaculate.

A. filiformis.

- Ailistimis*. Wings scalloped toothed; upper-ones cinereous with a darker band in which is a black dot; lower-ones red edged with black.
Inhabits *India*.
Antennæ cinereous tipped with white; all the wings beneath greenish with a white band.
- Fenestrina*. Wings scalloped toothed gold-brown with 2 hyaline spots.
Inhabits *Austria*. *Esp.* 2. *tab.* 23. *fig.* 1
Abdomen with 2 white belts; wings with scattered yellow dots; hind-margin black with 2 white spots.
- * *Populi*. Wings indented reversed grey; upper-pair with a white central spot; lower-ones ferruginous at the base.
Inhabits *Europe*. *Donovan.* vii. *tab.* 241. *Esp.* 2. *tab.* 2.
Wilks pap. 11. *tab.* B, C. *Merian Europe.* 3. *tab.* 37.
Larva solitary rough green with oblique white stripes on the sides: *pupa* brown, ferruginous behind.
- Juglandis*. Wings indented grey transversely streaked; lower-ones paler, the margin dotted with brown.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- * *Tiliæ*. Wings angular with greenish clouds and darker bands; lower-ones beneath yellow testaceous.
Inhabits *Europe*. *Merian.* 2. *tab.* 24. *Albin.* *tab.* 10.
Larva solitary rough green with oblique red and yellow stripes on the sides: *pupa* dull brown.
- Rhadamistus*. Wings subangular cinereous with a black dot at the base and oblique abbreviated band in the middle; first segment of the abdomen black
Inhabits *Sierra Leona*.
Thorax cinereous with a black dorsal line: *abdomen* cinereous, the first segment black. *upper-wings* with a black patch towards the tip, beneath darker with small cinereous bands: *lower-wings* cinereous at the angle of the tail with a small black streak, beneath grey.
- Oenotheræ*. Wings scalloped greenish with a darker band; lower-ones fulvous tipped with black.
Inhabits *Germany*. *Esp. Ins.* 2. *tab.* 20.
Antennæ black tipped with white: *body* green: *upper-wings* with an ocellar black dot.
Larva solitary without tail, brown with red stigmata, the last segment but one with an oval black eye, the pupil white; *pupa* naked brown.

- Gauræ.* Wings indented; upper-pair olive with 2 whitish streaks and deltoid spot on the disk; lower-ones ferruginous with a pale streak, the outer part black edged with white.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Nerii.* Wings subangular green with paler darker and yellowish bands.
Inhabits *Europe* and *America*. *Cramer. tab. 224. fig. D.*
Larva dotted with white, the neck and an eye each side blue, tail deflected slightly jointed: *pupa* yellow with a black dorsal line and lateral dots.
- Apulus.* Wings indented; upper-pair fulvous with 2 gold spots: antennæ plumed.
Inhabits *Surinam*. *Cramer. 8. tab. 88. fig. E.*
Head and *thorax* black: *abdomen* red with black rings: *upper-wings* emarginate at the tip, fulvous with 2 waved black streaks and 2 transverse gold spots between them: *lower-wings* white with a fulvous margin.
- Penæus.* Wings indented clouded with brown and cinereous; lower-ones ferruginous edged with black.
Inhabits *America*. In the museum of *Dr. Hunter*.
Body brown-ash; *thorax* with a black spot at the tip; *abdomen* beneath whitish with ferruginous specks and 3 dots each side: *upper wings* with a white dot in the middle.
- Pylas.* Wings scalloped indented variegated; lower-ones fulvous, yellow at the base and black at the tip.
Inhabits *Surinam*. *Cramer. 18. tab. 206. fig. A.*
Lower-wings with a marginal black band and contiguous smaller one, the edge itself yellowish.
- Obscura.* Wings indented; lower-ones red edged with black; abdomen above pale immaculate.
Inhabits *South America*.
Abdomen beneath white with rufous specks and 4 black dots each side.
- Cacus.* Wings indented black with 3 approximate pale streaks; lower-ones yellow striate with black.
Inhabits *Surinam*. *Cramer. 4. tab. 46. fig. E.*
Abdomen with alternate cinereous and black belts.

- Dentata.* Wings indented; lower-ones brown with a white streak: abdomen annulate with white.
 Inhabits India. Cramer. 11. tab. 125. fig. G.
 Head and thorax blueish speckled with brown: upper-wings blueish with brown specks and bands.
- Alopc.* Wings indented brown; lower-ones yellow tipped with black: abdomen black with interrupted pale belts.
 Inhabits America. Cramer. 26. tab. 301. fig. G.
 Antennae with a white shaft: lower-wings beneath brown with a yellow spot at the thinner-margin.
 Larva tailed glabrous, cinereous on the back with a broad brown streak before ocellate in the middle and ending in a black spot: pupa brown with rufous rings and streaks.
- Ello.* Wings slightly indented cinereous; lower-ones rufous edged with black: abdomen pale with black belts.
 Inhabits Surinam. Cramer. 26. tab. 301. fig. D.
 Upper-wings in one sex with a brown band.
- Jatropha.* Wings slightly indented; lower-ones black with a rufous base and hyaline band: head 2-horned.
 Inhabits America. Cramer. 10. tab. 118. fig. A.
 Head with 2 incurved horns before the eyes: thorax with a black lateral line: abdomen with a black lateral line and 3 pair of fulvous spots, beneath white with 3 black spots each side: upper-wings cinereous with black waves and a dot in the middle, the hind-margin spotted with white. Beneath all brown with a fulvous blotch.
 Larva green with a moniliform tail: pupa brown with an inflected cylindrical tail.
- Medea.* Wings slightly indented; upper-pair green; lower-ones fulvous edged with black.
 Inhabits Africa. In the museum of Sir. Jos. Banks.
 Body green: upper-wings with brown marginal dots and one in the middle: lower-wings beneath greenish edged with brown.
- Pholus.* Wings emarginate black, paler at the tip with black streaks, lower-ones chestnut-brown.
 Inhabits India. Cramer. 8. tab. 87. fig. B.
 Upper-wings with a rufous spot at the tip: lower-ones flesh-colour at the base, the margin widely emarginate.
- Carolina.* Wings entire, all of them dotted with white on the hind-margin: abdomen with 5 pair of fulvous dots.
 Inhabits America. Merian Sarin. 57. tab. 57.

- * *Larva* green with purple spiracles and tail, legs white annulate with black; *pupa* brown.

Strigilis. Wings entire grey; lower-ones fulvous with brown streaks. Inhabits *America*. *Cramer*. 9. tab. 106. fig. B.
Head yellowish with fulvous front and feelers: *abdomen* yellowish with oblique lateral green streaks, beneath fulvous: *upper-wings* oblong emarginate at the inner-edge grey spotted with green.

* *Atrops.* Wings entire; lower-ones yellow with 2 brown bands; abdomen yellow with black belts.
Donovan. ix. tab. 289. *larva* and *pupa* tab. 290.
 Inhabits *Europe Asia* and *America*.
Larva solitary tailed yellow dotted with black and divided blue and green lateral transverse lines, tail reflected: *pupa* dark brown with 5 black stigmata each side.
Thorax marked with the resemblance of a death's head.

Erotus. Wings entire varied with brown and blue; lower-ones fulvous edged with black.
 Inhabits *India*. *Cramer*. 9. tab. 104. fig. B.
Head and *thorax* brown with a pale lateral line: *upper-wings* brown with a large blueish spot at the base, in the middle a fulvous dot, the hind-margin blueish.

Equesfris. Wings entire pale cinereous; lower-ones black with a fulvous band and cinereous margin; sides of the abdomen fulvous.
 Inhabits *India*. *Cram.* tab. 226. D.
Head greenish-brown with white orbits: *thorax* greenish-brown with a white line on the sides.

Phorbas. Wings entire obscure green with blueish lines; lower-ones black with 2 fulvous spots
 Inhabits *India* *Cram*. 5. tab. 55. B.
Upper-wings with an obsolete ferruginous spot in the middle.

Ficus. Wings clouded with brown; lower-ones with a black band and white at the angle of the tail.
 Inhabits *America*, *Cram* tab. 246. E. *Mar Sur.* tab. 333
Larva green with yellow lines, head and tail black: *pupa* brown.

Tetrio. Wings indented cinereous varied with brown; abdomen beneath white with 4 ferruginous dots.
 Inhabits *America*. *Merian*. *Surinam*, tab. 5.

Larva gregarious naked black with 10 yellow rings, head red legs orange dotted with black.

Chionanthi Wings variegated, with a white dot in the middle: abdomen with 3 pair of fulvous eyes.

Inhabits *America*. *Cramer* tab. 30. A.

Antennae hooked, ferruginous with a white shaft: *lower-wings* blackish spotted with white.

Larva tailed, with yellow and black bands, head and tail red; *pupa* brown.

Pagana. Wings entire cinereous clouded with black; lower-ones with a ferruginous disk above.

Inhabits *India*. In the museum of Sir. *Jos Banks*.

* *Pinalis*. Wings entire grey with 3 short black lines in the middle of the upper-pair: abdomen white with black bands.

Inhabits *Europe*. *Donovan*. ix. tab. 296. *Esq.* 2. tab. 12.

Larva tailed greenish with a ferruginous dorsal line, a lateral yellow one and ferruginous subocellar stigmata: *pupa* reddish-brown with white eyes.

Coniferarum. Wings entire grey; upper-wings with 2 parallel black lines and another divaricate and denticulate transverse streak.

Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.

Platija. Wings entire grey with a white dot in the middle: sides of the abdomen white edged with black.

Inhabits *South America*.

Abdomen beneath white with a line of brown dots.

* *Euphorbiae*. Wings entire grey with 2 dark olive bands; lower-ones with a black base and marginal streak: antennae snowy.

Inhabits *Europe*. *Donovan*. iii. tab. 91. 92.

Larva black dotted with white, a red line down the back and lateral yellow spots: *pupa* brown with black stigmata.

Gallii. Wings entire greenish with a white band; lower-ones pale with a black base and marginal streak: antennae brown.

Inhabits *Germany*. *Esq. Inf.* 2. tab. 21.

Abdomen with white dots down the back.

Lineata.

- * *Lineata*. Wings greenish-olive with a white band crossed with white streaks; lower-ones black with a red band.
 Inhabits *Europe*. *Donovan vi. tab. 204. fig. 1.*
Head greenish with a lateral white line: *thorax* with 3 double white streaks: *abdomen* with a white line down the middle and lateral black and white dots: hind-margin of the *upper-wings* pale purple. Beneath all cinereous speckled with green.
- Vespertilio*. Wings entire cinereous immaculate; lower-ones red with black base and tip.
 Inhabits *Southern Europe*. *Esp. Inf. 2. tab. 22. fig. 4.*
Thorax cinereous with a lateral inowy line: *abdomen* cinereous with alternate black and white spots each side at the base: hind-margin of the *lower-wings* whitish.
- Fitis*. Wings entire greenish with a white band and fillet: lower-ones cinereous with a black band and rufous margin.
 Inhabits *America*. *Cram. tab. 267. C. Merian. t. 47. f. 1.*
- Satellitica*. Wings entire grey clouded; upper-pair with a black ocellar dot and contiguous lesser-one; lower-ones cinereous at the base.
 Inhabits *Jamaica*. *Drury. 1. tab. 29. fig. 1. 2.*
- * *Celerio*. Wings entire grey with silvery-white streaks: lower-ones brown with 6 red spots.
 Inhabits *Europe*. *Donovan vi. tab. 190. 191.*
Larva tailed brown with 2 lateral pale lines and 2 eyes on the neck each side: *pupa* brown before and reddish behind.
- Oldenlandiae*. Wings entire grey with an oblique silvery white band and and brown dot in the middle: *abdomen* with 2 approximate silvery lines.
 Inhabits *India*, on the *Oldenlandia*.
Head grey with a whitish mouth and lateral line: *thorax* with a silvery line each side: *abdomen* beneath cinereous with 4 black dots each side: *lower-wings* cinereous with a red base and black band at the tip,
- Lycetus*. Wings entire pale cinereous: *abdomen* with 3 gold lines each side.
 Inhabits *India*. *Cramer Inf. 5. tab. 61. D.*
Thorax with a gold line each side,

- Boerhaviae* Wings entire greenish ; lower-ones brown with a fulvous band ; abdomen beneath gold.
 Inhabits *India*. *Sulz. Hist. Inf. tab. 20. fig. 3.*
Head and thorax greenish with a white mouth and lateral line : *abdomen* grey with a gold line each side : *upper-wings* grey with 3 oblique greenish streaks and a brown dot in the middle : *lower-ones* red with a broad brown tip, beneath variegated.
- Funebris*. Wings entire green-brown ; lower-ones brown with a testaceous base.
 Inhabits *Guinea*.
Body greenish with large lateral black spots;
- Diadyma* Wings entire brown ; upper-pair with 2 approximate white dots.
 Inhabits *America*, *Cram. Inj. tab. 88. D.*
Wings with a few obsolete darker streaks : *abdomen* annulate with brown and grey.
- Hespera*. Wings entire ; upper-pair clouded with green ; lower-ones brown immaculate.
 Inhabits *East India*.
Body above green : *abdomen* with lateral darker spots : *wings* beneath grey with obsolete darker streaks.
- Parce*. Wings entire ; upper-pair grey with a silvery lunule in the middle ; lower-ones reddish.
 Inhabits *Brazil*. In the museum of Sir *Jos. Banks*
Thorax cinereous with a large brown spot each side : *abdomen* grey with 3 pair of brown dorsal dots ; *wings* beneath grey.
- **Elpenor*. Wings entire with transverse greenish-brown and red bands ; lower-ones red with a black base.
 Inhabits *Europe*. *Dowson iv. tab 122.*
Harris Aural tab. 7. fig. g. h. Abin. tab. 9. fig. 13.
Larva tailed with brown spots and 2 blue eyes each side the neck : *pupa* grey before, behind brown with darker stigmata.
- **Porcellus*. Wings entire varied with yellow and purple ; abdomen beneath sanguineous dotted with white.
 Inhabits *Europe*. *Merian, 3. tab. 22. Esp. 2, tab. 19.*
Larva without tail brown with 3 blue eyes each side on the neck : *pupa* blackish.

- Hylaeus.* Wings entire; upper-pair brown variegated at the tip; lower-ones black spotted with white.
Inhabits *South America*, *Cramer* 9, tab. 107. C.
Body brown with white lines on the thorax and dots at the sides of the abdomen: lower-wings with 5 white spots.
- **Convolvuli.* Wings entire clouded: lower-ones slightly barred: abdomen with red black and white belts.
Inhabits *Europe*. *Donovan*. vii. tab. 128.
Merian Europ. tab. 75, fig. 2. *Cramer* tab. 225. D.
Larva tailed with oblique white lines on the sides and subcellar dots: pupa brown with a reflected involute horn.
The eyes of this Insect are slightly phosphorescent.
- **Ligustri.* Wings entire; lower-ones rufous with 3 black bands: abdomen red with black belts.
Inhabits *Europe*. *Donovan*. viii. tab. 284. *Albin*. t. 7. f. 10.
Natural Miscell. tab. 443. *Harris Inf.* 2. f. 2—f.
Larva tailed green with oblique lateral streaks which are flesh-colour before and white behind: pupa brown, the tail 4-toothed.
- Drupiferarum.* Wings entire; lower-ones white with 2 black bands: abdomen snowy with 2 black belts.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Kalmice.* Wings entire, the margin dotted with white; lower-ones yellowish with 2 black bands: abdomen white with black belts.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Cingulata.* Wings entire; lower-ones with black bands, sanguineous at the base and dotted with white at the margin: abdomen with black and red belts.
Inhabits *South America*,
Thorax with a blackish lateral line: abdomen beneath white with 5 black dots each side: upper-wings waved with cinereous and black, a white dot in the middle and dotted with white on the hind margin: all beneath brown.
- Caicus.* Wings entire brown; lower-pair rufous streaked with black: abdomen cinereous with black rings.
Inhabits *Surinam*. *Cramer* 11, tab. 125. F.
Upper-wings brown with a few paler streaks.
- Grantor.* Wings entire brown spotted with black; lower-ones red edged with black.

Inhabits

Inhabits *India*. *Cram.* 9. *tab.* 104. A.

Upper-wings with a pale spot at the base: *lower-wings* spotted with black at the angle of the tail.

AleTo. Wings entire; upper-pair grey above; lower-ones red with a black base and margin.

Inhabits *India*. *Cramer.* *tab.* 137. D. *Drury.* 2. *tab.* 27. *fig.* 4.

Antennae above white, beneath chestnut-brown.

Clotho. Wings entire greenish with a fulvous dot; lower-ones fulvous.

Inhabits the *Cape of good hope*.

Antennae fulvous: *wings* beneath cinereous

Gnoma. Wings entire cinereous; lower-ones with a black fillet above.

Inhabits *India*. *Cramer.* 13. *tab.* 152. A.

Head and *thorax* greenish with a white lateral line: *abdomen* cinereous with a brown spot at the base each side: *breast* white: *upper-wings* with a minute brown dot in the middle: all beneath cinereous with a green streak and specks.

Anubus. Wings entire; upper-pair subferruginous; lower-ones black with a streak of white dots.

Inhabits *Surinam*. *Cram.* 11. *tab.* 128. C.

Upper-wings with a small black dot in the middle and towards the margin a large brown spot and few streaks.

Nebus. Wings entire; upper-pair green with a testaceous streak; lower-ones black with a yellow band and spots at the base.

Inhabits *America*. *Cram.* 15. *tab.* 178. B.

Body green: *antennae* white: *thorax* with a lateral white line: *abdomen* with 2 lines of black dots on the back and ferruginous ones on the sides.

Batus. Wings entire brownish; lower-ones black with a whitish macular band.

Inhabits *India*.

Head and *thorax* greenish with a whitish lateral line: *wings* beneath varied with brown and testaceous.

Glio. Wings green; lower-ones testaceous edged with black.

Inhabits *Guinea*; small.

Antennae yellowish : *body* greenish : 3 last segments of the *abdomen* with 2 white dots each side : *upper-wings* with a black dot in the middle : *lower-ones* slightly toothed, beneath greenish edged with brown.

Labruscae Wings greenish with a white dot on the lower-surface of the upper-pair : abdomen with 5 white dots at the sides.

Inhabits *America*. *Merian Surinam. tab. 44.*

Lower-wings with a black disk barred with a blue, a rufous spot at the angle of the tail.

Larva tailed varied with brown and black, on the tail a white polished moveable dot.

Caricæ. Wings entire, lower-ones beneath yellow : abdomen cinereous with black angles.

Inhabits *America*. *Merian Surinam. tab. 64. fig. 12.*

Larva variegated with green and yellow : *pupa* testaceous.

Velox. Wings entire brown with a black dot in the middle, the tip cinereous ; lower-ones brown.

Inhabits *India*.

Thorax greenish with a white lateral line : hind-margin of the *upper-wings* dotted with brown. Beneath cinereous with brown streaks.

Tersa. Wings entire grey with a brown dot ; lower-ones black with a white base and macular band.

Inhabits *South America*. *Cram. 44. tab. 397. C.*

Thelia. Wings ferruginous with a blackish band.

Inhabits *India*. *Cramer. 19. tab. 226. E. F.*

Small. *Thorax* with longitudinal brown lines.

B. *Antennæ* cylindrical : tongue exerted truncate : wings entire. *Sefia.*

Tantalus Abdomen bearded, the third segment snowy.

Inhabits *Europe* and *India*. *Cram. tab. 68. F.*

Abdomen with a white and rufous streak : *upper-wings* variegated, with 3 white dots.

Melas Wings semitransparent edged with black : abdomen blue, the base black with yellow belts.

Inhabits *Surinam*. *Cram. 4. tab. 45. fig. G.*

Antennæ

Antennae nearly filiform : *head* yellow : *thorax* black surrounded by 2 lines.

Hylas. Wings semitransparent ; abdomen bearded, green with purple belt.

Inhabits *China*. *Cramer* 13. *tab.* 148. B.

Tail with a white dot at the base, the sides of the beard black.

Fadus. Abdomen bearded ; wings brown, upper-pair with 2 abbreviated white bands.

Inhabits *Surinam*. *Cram.* 5. *tab.* 61. C.

**Stellatarum*. Abdomen bearded, the sides varied with white and black ; lower-wings ferruginous.

Inhabits *Europe*. *Donovan.* v. *tab.* 155. *Gram.* t. 94. C.

Merian Europe. 2. *tab.* 29. *Esq. Inf.* 2. *tab.* 13.

Upper-wings brown with blackish lines across and a dot in the middle : base of the *lower wings* brown.

Larva pale rosy dotted with white, the tail blue ferruginous at the tip : *pupa* pale with a brown tip.

Pandora. Abdomen bearded, with fulvous spots on the sides : lower-wings ferruginous at the base and tip with black.

Inhabits *India*. *Drury.* *Inf.* 2. *tab.* 29. f. 2.

Abdomen above brown with a green gloss and 3 large fulvous spots each side at the base the beard black, beneath subtestaceous with small white dots : *upper-wings* with cinereous and greenish bands and a brown spot towards the tip.

Brunneus. Wings chestnut-brown immaculate : lower-ones emarginate.

Inhabits *Surinam*. *Cram* 13. *tab.* 147. C.

8-maculata Wings black with 2 yellow spots on the upper-pair and 2 white ones on the lower-pair.

Inhabits *India*. Small.

Thorax black with 2 white dots : *abdomen* bearded black with 2 white dots before the tail.

Marica. Wings variegated ; lower-ones black with a hyaline spot at the base.

Inhabits *Surinam*. *Cram.* 2. *tab.* 20. F. G.

Abdomen black, bearded at the end : *upper-wings* variegated with white and black : beneath all black spotted with white.

Thysbe.

Thysbe. Abdomen bearded, brown behind : wings with a hyaline spot.

Inhabits *America*. *Antennae* hooked, at the tip.

Abdomen greenish at the base, behind pale brown with 3 white lateral spots each side : base of the *upper-wings* a little greenish.

**Fuciformis* Abdomen bearded blackish with a yellow band near the tail ; wings diaphanous with a darker-brown border.

Inhabits *Europe*. *Donovan*. iii. tab. 87. *Esp*. 2. tab. 14.

Beard of the abdomen black each side.

Larva green with a yellow lateral line, the horn erect ; *pupa* folliculate black, with yellow streaks before.

**Bombyli-formis*. Abdomen bearded greenish-fulvous with a black band : wings transparent with a fine black edge.

Inhabits *Europe*. *Esp*. lxxj. 2. tab. 23.

**Apiformis* Wings transparent ; abdomen yellow with 2 black belts above ; thorax black with 2 yellow spots each side.

Inhabits *Europe*. *Donovan*. 1. tab. 25.

Linn. Transf 3. tab. 1. fig. 1. 2.

Abdomen of the male slightly bearded.

Larva pale yellow, *head* yellow : *pupa* blackish.

**Crabroxi-formis*. Wings transparent : abdomen yellow with black belts : thorax black with obsolete yellow spots : head black with a yellow ring at the base

Inhabits *Europe*. *Linnean Transact* iii. tab. 1. f. 6. 7.

Larva pale yellow : *pupa* reddish-brown.

Male with 2 black bands near the base of the abdomen : *female* with irregular black lines.

Chalciformis. Wings with hyaline stripes, golden at the base and black at the tip : hind-legs very hairy.

Inhabits *Tranquebar*.

Head and *thorax* villous golden. mouth yellow : *lower-wings* transparent edged with black.

Sphagisformis. Wings hyaline with a black band and margin : abdomen bearded, with a yellow belt : antennæ white before the tip.

Inhabits *Austria*. *Wien Verz*. 305. 10.

Thorax black with yellow sides : *abdomen* with 2 lateral yellow dots each side : sides of the *breast* yellow.

Astiliformis. Upper-wings brown, lower-ones transparent: abdomen bearded black with 3 yellow belts.

Inhabits Southern Europe. *Wien. Verz.* 305. 11.

Thorax black with a fine yellow margin before and a yellow dot before the wings: hind-margin of the lower-wings black: hind-flanks yellow.

Chrysoformis. Upper-wings yellow with a hyaline line at the base and dot in the middle: lower-ones hyaline: segments of the abdomen edged with yellow.

Inhabits Italy. *Cyrolli. Ent. Neap. tab.* 4. fig. 3.

Scia craboniformis. *Fabricius.* iii. p. 383. n. 17.

Head yellow with a fulvous crown: tail bearded black, yellow in the middle: margin of the upper-wings fringed with brown:

Hæmorrhoidalis. Wings hyaline; upper-pair with a black band and margin: tail bearded red.

Inhabits India. *Cramer.* 5. tab. 52. C, D.

Thorax with a white dot each side: abdomen red at each end: all the wings edged with black.

* *Culiciformis.* Wings hyaline with a black band and margin: abdomen bearded, with a fulvous belt.

Inhabits Europe. *Esp.* 2. tab. 15. fig. 1. *Clerk.* tab. 9. fig. 3.

Antennæ white before the tip.

Tentrediniformis. Wings transparent with a black band and edge all round; head and sides of the thorax fulvous: abdomen bearded, with a fulvous belt.

Inhabits Southern Europe.

* *Tipuliformis.* Wings transparent with a black band and border: abdomen bearded black, the alternate incisures edged with yellow.

Inhabits Europe. *Donovan.* ii. tab. 52, 53.

Thorax with a yellow line each side: tip of the upper-wings with a brown spot.

Larva solitary a little hairy whitish with yellow head and legs and a darker dorsal line: pupa brown.

* *Zonata.* Wings transparent with a black band and margin: abdomen bearded black with a single red belt.

Inhabits Europe. *Donovan.* vi. tab. 105.

Head with a thin red hind-margin: thorax with 2 oblique lateral red lines.

Ichneu-
moniformis Wings transparent with a black margin and band in which is a fulvous dot: abdomen with alternate black and white belts.

Inhabits *Austria*. *Wien. Verz.* 44, 7.

Antennæ black, sometimes yellow at the base: *thorax* black with yellow sides: *legs* yellow.

**Vespi-*
formis. Wings transparent with a black margin and band; abdomen bearded black, the second and last segments edged with yellow.

Inhabits *Europe*. *Wien. Verz.* 44, 5.

**Chrys-*
rhæa. Wings transparent with a black margin and band; abdomen black with 4 yellow belts, the beard yellow with a black line in the middle.

Inhabits *Europe*. *Donovan. iv. tab.* 116. fig. 1, 2.

Thorax with a yellow upper-margin: *hind-thighs* yellow annulate with black.

C. *Antennæ* thicker in the middle: tongue exerted setaceous. *Zygæna*

**Filipendulæ.* Upper-wings blue-green with 6 red spots in pairs; lower-ones red with a greenish border.

Inhabits *Europe*. *Donovan. i. tab.* 6. *Albin. tab.* 82. C, D.

Merian Europ. 2. tab. 17. fig. 67. *Harris. 2. tab.* 1. fig. h.

Larva fat tailed sulphur with 4 lines of black dots: *pupa* brown, sulphur in the middle.

Loti. Upper-wings green with 5 red spots; lower-ones red with a green-blue border.

Inhabits *Europe*. *Esp. Inf.* 2. tab. 24. fig. 1.

Thorax blue spotted with white: *abdomen* blueish: the 2 upper-spots on the wings united.

Scabiosa. Black; upper-wings green with oblong approximate red spots: lower-ones red.

Inhabits *Germany*. *Esp. 3. tab.* 24. fig. 3. 2.

Upper wings with 3 long approximate red spots at the base, 2, 1. margin of the lower-ones greenish. Beneath the same.

Lavandulæ Black; wings blue with 5 red dots on the upper-pair and one on the lower: collar snowy.

Inhabits *France*: size of *Sp. Filipendulæ*.

Abdomen black with a blue gloss: spots on the wings 2, 2, 1. surrounded with a black ring.

- Sedi.* Blue; upper-wings with 3 connected red spots; lower-ones entirely red.
Inhabits *Southern Russia*.
Spots on the wings surrounded with a yellow ring: lower-wings with a fine black edge.
- Phegea.* Green black; upper-wings with 6 transparent dots, lower-ones with 2: abdomen with a yellow belt.
Inhabits *Germany*. *Esp. Inf. 2. tab. 27. fig. 2, 2.*
Larva brown; head and legs reddish, back with fasciculate white plumes.
- Collaris.* Brown; upper-wings with 7 hyaline dots, lower-ones with 2: front, collar and 2 belts on the abdomen fulvous.
Inhabits *East India*.
Antennae black whitish at the tip: dots on the upper-wings 1,3,3.
- Ephialtes.* Blue; upper-wings with 6 red dots, lower-pair with one: abdomen with a red belt.
Inhabits *Southern Europe*. *Esp. Inf. 2. tab. 27. fig. 3.*
The dots on the wings and the belt on the abdomen are sometimes yellow sometimes red.
Larva hairy yellowish with black head legs and 2 lines.
- Eacus.* Blue; upper-wings with 6 yellow dots; lower-ones yellow edged with blue.
Inhabits *Austria*. *Wion. Verz. 45, 8.*
Abdomen blue with a yellow belt: dots on the wings 2,2,2. placed obliquely.
- Agrius.* Black; wings with hyaline dots, upper-pair black lower-ones blue.
Inhabits *Surinam*.
Body black; sides of the abdomen fulvous: upper-wings with 2 approximate hyaline dots in the middle of the thicker margin and a streak of them behind: lower-wings with 2 approximate hyaline dots.
- Annulata.* Black; upper-wings with 6 yellow spots; lower-ones with a yellow base and spot: abdomen annulate with yellow.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Head yellow: thorax black with a yellow band on the fore-part: scutell yellow: spot on the upper-wings 1,2,3. a black dot in the yellow base of the lower-wings.
- Onobrychis.* Black; upper-wings blue with 6 red ocellate dots; lower-ones red with a black border.

Inhabits *Anstria*. *Esp. Inf.* 2. *tab.* 27. *fig.* 4.

Thorax spotted with white: spots on the *wings* surrounded with a white ring: *abdomen* sometimes immaculate, sometimes with a red belt.

Caffra. Black; wings brown with 5 red dots: lower-ones red edged with brown.

Inhabits *Africa*. *Cramer.* 33. *tab.* 394. E.

Head black: feelers and orbits red: *thorax* black with 2 red dots each side: dots on the *wings* surrounded with a black ring.

Guineensis. Wings brown with 2 white spots: abdomen blue with a fulvous belt.

Inhabits *Guinea*.

Antennae pectinate, setaceous at the tip: *abdomen* shining blue with a white belt at the base and a fulvous one in the middle, beneath whitish tip with blue.

Passalis. Wings black with 6 transparent spots on the upper-pair and one on the lower: abdomen with alternate blue and red belts.

Inhabits *East India*.

Head blue: *thorax* rufous in the middle, the fore-part and sides blue.

Cerbera. Wings black with 6 transparent spots on the upper-pair and 2 on the lower: abdomen with red belts.

Inhabits *Æthiopia*. *Cramer.* 7. *tab.* 83. F.

Thetis. Blue, the shoulders dotted with red; wings black, upper-pair with a hyaline tip, lower-ones with a hyaline disk.

Inhabits *Jamaica*. *Drury Inf.* 1. *tab.* 26. *fig.* 4.

Phlegmon. Wings black dotted with white: abdomen yellow with black lines.

Inhabits *Surinam*. *Cramer.* *tab.* 35. *fig.* H.

Thelebus. Wings black; upper-pair with 5 hyaline spots; lower-ones very short with a hyaline disk; abdomen yellow annulate with black.

Inhabits *China*:

Head yellow, mouth black: *thorax* yellow with a black collar: lower-wings hyaline edged with black.

Sperbius.

- Sperbius*. Wings black with 5 hyaline spots on the upper-pair and one on the lower: abdomen black with 2 yellow bands: front white.
Inhabits *China*.
Antennae black tip with white: *thorax* black: *scutel* yellow: *tail* white with a single yellowish spot.
- Fenestrata*. Wings brown with 4 hyaline spots on the upper-pair and one on the lower: abdomen annulate with yellow and black.
Inhabits *China*. *Drury Inf.* 2. *tab.* 28. *fig.* 5.
Antennae black, white before the tip: *head* yellow with a black band between the antennæ: *thorax* yellow, the fore-part and 3 spots black.
- Cassandra*. Brown; abdomen with 5 blue spots each side: tail mouth and base of the thighs and abdomen scarlet.
Inhabits *America*. *Cram.* 33. *tab.* 494. G.
All the wings blackish immaculate.
- Hyparchus*. Black spotted with green; upper-wings with 3 gold spots, lower-pair with a single one.
Inhabits *Sierra Leona*. *Cramer.* 17. *tab.* 197. C.
Abdomen black with green belts.
- Argynnis*. Wings greenish-black with gold spots; lower-ones brown, gold at the base.
Inhabits *Brazil*.
Abdomen black with a red tail: *upper-wings* with a few green spots: *lower-ones* violet.
- Myrica*. Black; wings hyaline with a black edge all round: abdomen red with a black dorsal line and angles.
Inhabits *Brazil*.
Thorax black, the sides glossy-blue with a flesh-coloured line: margin of the wings sinuate black.
- Andromacha*. Black; wings hyaline with a black margin and band: tail red.
Inhabits *America*. *Cramer.* 5. *tab.* 52. *fig.* C, D ?
Antennae somewhat pectinate: *thorax* hairy black, the fore-part and 2 dots white: *abdomen* hairy black. In one *sex* is a red band at the base of the abdomen.
- Flavicornis*. Wings yellow hyaline; upper-pair tipped with brown: body blue spotted with yellow: antennæ and legs yellow
Inhabits *Cayenne*.

Antennae pectinate setaceous at the tip: *thorax* black blue with yellow spots: instead of the *scutellum* is a square emarginate spot.

Bromus. Ferruginous; wings hyaline edged round with black.

Inhabits *Surinam*. *Cramer*. 3. tab. 35. fig. G.

Antennae pectinate: *body* entirely dull ferruginous.

Eryx. Wings black, base of the upper-pair gold with a red spot in the middle: abdomen beneath red.

Inhabits *America*. *Cramer*. 12. tab. 140. E, F.

Head shining green-gold spotted with black on the hind-part: *thorax* black with 4 green-gold spots before and 3 pair on the back: *abdomen* black with 7 spots each side, the 4 upper-ones green gold, the 3 lower-ones blue: *lower-wings* beneath black with a green-gold base and 2 spots.

Egeon. Wings hyaline; upper-pair edged round with yellow.

Inhabits *China*. *Cramer*. 5. tab. 30. fig. B.

Antennae pectinate: tip of the *upper-wings* yellow with a hyaline spot: *lower-wings* hyaline, the hind-margin black with a hyaline streak: *thorax* black spotted with white: *abdomen* black, the back yellow with a black line.

Achemon. Yellow; wings hyaline tipped with black, upper-pair yellow at the base.

Inhabits *Jamaica*. Small.

Head black: *thorax* yellow: *abdomen* yellow with 2 dorsal lines of black dots, tail black: *upper-wings* with a black margin and lunule in the middle.

Nigricornis. Wings hyaline edged with black: *body* yellow, the fore and hind-parts black spotted with blue.

Inhabits *Cayenne*; small.

Antennae pectinate: *head* black with a blue dot on the crown: *mouth* yellow: *thorax* yellow, black on the fore-part with 4 blue spots: *abdomen* yellow, tail black with 2 blue streaks.

Melissa. Wings black with a hyaline disk: abdomen black with 3 gold lines, tail fulvous.

Inhabits *America*.

Crown with a gold spot, *thorax* with 2 obsolete ones in the fore-margin: *breast* black spotted with white: *abdomen* black with 4 white dots each side beneath.

Polymena. Black; upper-wings with 3 yellow spots, lower-ones with 2: abdomen with 2 scarlet belts.

Inhabits *China*. *Cramer*. 2. tab. 13. D.

- Lethe.* Wings black with 2 yellow spots: abdomen with red black and blue belts and a white one.
 Inhabits *Africa*. *Cram.* 17. tab. 197. fig. D.
Head blue: *thorax* black, the fore-lobe and 3 dorsal lines blue, before the wings a scarlet dot each side: *abdomen* with a rufous belt at the base which is white each side, then 2 blue-ones and 2 alternate black ones, then a rufous one, afterwards a white one, the 3 last segments blue, tail rufous: *upper-wings* with a blue lunule between the spots.
- Lichas.* Black with a green gloss; upper-wings with a green streak in the middle and a white dot behind it: abdomen black with 2 gold belts.
 Inhabits *Arabia*; small.
Antennæ pectinate with a glossy-green shaft; *thorax* black speckled with green, the collar red; *lower-wings* black immaculate.
- Fanfla.* Both surfaces of the wings alike, red with black spots connected with the black margin.
 Inhabits *Southern Europe*. *Esp. Inf.* 2. tab. 18. fig. 1.
Lower-wings red immaculate: *abdomen* black-blue with a red belt.
- Infausa.* Wings brown; lower-ones red within: *antennæ* pectinate.
 Inhabits *Southern Europe*. *Esp. pap.* 2. tab. 35. fig. 4.
Thorax with a red collar.
- Eriphia.* Greenish; lower-wings black with a white band: *antennæ* pectinate.
 Inhabits *Surinam*.
Abdomen greenish with a white dot each side at the base and 2 white streaks beneath.
- Flabellicornis.* Wings oblong black; lower-ones slightly tailed, greenish at the base.
 Inhabits *South America*. *Cramer.* 3. tab. 30. fig. E.
Antennæ blue: *head* red with a brown mouth and hind-margin: *abdomen* rufous with 4 lines of black spots.
- Butus.* Wings shining green, darker at the tip: abdomen fulvous.
 Inhabits *America*. In the museum of Dr. *Hunter*.
Antennæ pectinate black: *head* and *thorax* greenish: *body* beneath fulvous: *tail* blackish.
- Pugione.* Blue dotted with white: wings red with a brown hind-margin.
 Inhabits *America*. *Cram.* 4. tab. 45. fig. B.

Antennæ pectinate, red at the tip.

Larva hairy saffron with 2 lines of white dots each side, 4 tufts of hairs on the neck and 2 on the tail which are tipped with black: *pupa* very slightly folliculate and brown.

Eurocilia. Wings brown at the tip with a streak of white dots: *antennæ* pectinate.

Inhabits *America*. *Cramer*. 15. *tab.* 178. C.

Head black spotted with white: *thorax* testaceous with a yellow fore-margin and dot: *abdomen* testaceous with a dorsal streak of white dots, the sides black with a yellow streak: *upper-wings* testaceous at the base with a large yellow spot in the middle in which is a brown one: *lower-wings* red at the base the tip black with ferruginous streaks and white dots.

Pectinicornis. Brownish; wings violet with 2 white bands a little interrupted: collar red.

Inhabits *South America*. *Cramer*. 3. *tab.* 32. C, D.

Gyon. Wings brown; upper-pair with 2 yellowish spots; lower-ones with an abbreviated yellowish band.

Inhabits *Cayenne*.

Antennæ pectinate: *thorax* black with 4 white lines: *abdomen* black with 3 white lines: *upper-wings* with white lines at the base.

Ergotis. Wings black; upper-pair with a white band at the tip, *thorax* fulvous.

Inhabits *Madeira*; resembles the next.

Head black dotted with white: *abdomen* black margin of the *upper-wings* fulvous each side at the base.

Glaucopis. Wings blackish; upper-pair with an oblique snowy band.

Inhabits *Carolina*. *Cramer*. 27. *tab.* 322. D.

Antennæ pectinate: *body* black; *lower-wings* immaculate.

Emmis. Wings black; upper-pair with an oblique testaceous band.

Inhabits *Surinam*. *Body* black.

Abdomen with 2 lines of white dots beneath.

Pylois. Wings black; upper-pair with a snowy spot on both surfaces; lower-ones with a snowy spot beneath only.

Inhabits *Surinam*. *Cramer* *tab.* 370. F.

Antennæ pectinate: *head* and *thorax* black with a red collar:

abdomen

abdomen black, the tail yellow villous : tip of the *upper-wing* whitish.

- Sypilus*. Wings black ; upper-pair with an interrupted testaceous band ; lower-ones testaceous at the base ; abdomen dotted with blue.
Inhabits *America*. *Cramer*. 2. *tab*. 99. A.
Abdomen black with testaceous belts at the base, the tip dotted with blue.

- Megara*. Wings black, both surfaces alike, upper-pair with 2 fulvous spots ; lower-ones fulvous on the inner-margin.
Inhabits *Guiana* : small.
Antennae of the male pectinate, of the female simple : *body* black : *head* fulvous.

- Septon*. Wings whitish : abdomen black with yellow bands ; tail red.
Inhabits *Amboina*. *Cramer*. 2. *tab*. 99. B.
Body whitish with a fulvous front : *upper-wings* with a brown blotch in the middle and streak behind : *lower-wings* with a hyaline disk.

- Auge*. Varied with red and blue, the sides covered with red hair : wings transparent, black behind ; antennæ pectinate.
Inhabits *America*. *Cram*. 17. *tab*. 198. E.
Antennae fetaceous at the tip : back of the *thorax* and *abdomen* blue, the latter with a snowy spot at the base each side.

- 9-maculata* Both surfaces of the wings alike, black with 2 yellow spots on the upper and 2 white ones on the lower-pair.
Inhabits *America*. In the museum of Dr. Hunter.
Head black, mouth and orbits yellow : *abdomen* black.

- Copisrata*. Wings black with 2 transparent bands on the upper-pair ; lower-ones with a transparent disk : abdomen red, black on the back.
Inhabits *America*.
Antennae black tip with white : *thorax* black with 2 fulvous spots : *abdomen* ferrate each side : *upper wings* with a transparent dot at the base.

Partbenii. Black ; wings hyaline with a black border ; 2 dots on the thorax and sides of the abdomen red, the edges of the segments white.

Inhabits *South America*.

Antennae pectinate, white before the tip : *abdomen* beneath red with a white base and 2 lines of dots : *wings* with a black spot in the middle near the rib.

Columbina. Wings transparent with a black spot and border marked with red.

Inhabits *South America*.

Antennae pectinate : *head* black with 2 red dots : *thorax* with white lines : *abdomen* black, the first segment red, the others with white and red belts.

Caudata. Wings yellow hyaline tip with brown ; body spotted with gold.

Inhabits *South America*. *Cramer* 1. 4. F. G.

Antennae pectinate : *body* brown with a gold line on the thorax and numerous dots on the abdomen : *upper-wings* with a brown spot in the middle : *tail* of the male very long and villous.

Diptera. Wings brown ; upper-pair with 5 transparent spots ; lower-ones very short with a yellow spot.

Inhabits *East India* : small.

Antennae pectinate : *head* black, front yellow : *abdomen* black with 2 yellow bands.

Halterata. Wings hyaline with a brown spot ; lower-ones very short filiform and black.

Inhabits *Brazil*. In the museum of Sir *Jos. Banks*.

Antennae pectinate : *body* black : *abdomen* above and beneath yellowish at the base.

Maja. Wings blue-black ; abdomen dotted with white at the base : hind-legs compressed elongated and fringed.

Inhabits *America*. In the museum of Dr. *Hunter*.

Antennae slightly pectinate : *head* with a white dot each side under the antennae ; *thorax* and *breast* blue dotted with white : *wings* glossy-black with a blue base and band.

Tibialis. Upper-wings brown, lower-ones hyaline : hind-legs long and very hairy.

Inhabits *Africa*. *Drury Inf.* 2. tab. 28. fig. 2.

Antennae slightly pectinate,

- adis.* Black ; upper-wings with a yellow dot at the base : abdomen with transverse yellow spots : hind-legs long.
Inhabits *Surinam* *Cam. Inf.* 7. tab. 83. E.
Abdomen above black dotted with white : *antennae* pectinate.
- Eunolpus.* Dull yellowish ; collar of the thorax and belt at the base of the abdomen snowy : *antennae* thickened behind the middle and brown.
Inhabits *South American Islands*.
Antennae yellowish, brown before the tip : *thorax* yellowish : *abdomen* yellowish, the first segment above 2 dots on the second and the third beneath snowy : *breast* brown with a white dot each side : *upper-wings* yellowish, darker at the tip : *lower-ones* dusky with a yellowish outer margin.
- Pantbalon* Upper-wings dusky ; lower-ones yellow : *antennae* pectinate black tip with yellow.
Inhabits *South American Islands*.
Head black : *feelers* and dot between the *antennae* fulvous : *thorax* black with a snowy dot at the base of the wings, 6 fulvous ones and a lateral line : *abdomen* violet, the first segment fulvous with a white spot at the base second beneath snowy, the rest fulvous at the margin.
- Capys.* Black ; upper-wings tip with white.
Inhabits *Surinam*. *Cram.* 5. tab. 56. fig. E.
- Pholus.* Black ; wings yellowish at the base.
Inhabits *Africa*. *Drury Inf.* 2. tab. 28. fig. 3.
- *Statice.* Upper-wings green blue : lower-ones brown.
Inhabits *Europe*. *Donovan* vi. tab. 204. fig. 2.
Larva blackish with 2 dorsal lines of whitish lunules.
- Pruni.* Green-blue ; lower-wings black.
Inhabits *Austria*. *Wien. Verz.* 303. 12.
Larva hairy brown, the back flesh-colour with a line of black dots.
- Acharon.* Blue ; wings brown ; tail rufous.
Inhabits *New Holland*. In the museum of Sir *Jo. Banks*.
- Styx.* Body and wings blue ; thorax rufous.
Inhabits *Africa*.
- Thoa.* Upper-wings brown ; lower-ones black with semitransparent disk ; collar red.
Inhabits *Ind. x.*
Abdomen blue : *upper-wings* whitish at the tip.

73. PHALÆNA. *Antennæ* gradually tapering from the base to the tip: *tongue* spirial: *jaws* 0: *wings*, when at rest, generally deflected: *flight* nocturnal.
Moth.

These fly abroad only in the evening and during the night, and feed on the nectar of flowers: the *larva* is active and quick in motion, mostly smooth, more or less cylindrical, and preys voraciously on the leaves of various plants: *pupa* quiescent, more or less cylindrical, pointed at the tip or at both ends, and is generally inclosed in a follicle. They are divided into,

Bombyx. *Antennæ* filiform; *feelers* 2, compressed reflected: *tongue* short membranaceous obtuse bifid: *larva* 16-footed, often hairy; *pupa* pointed at the tip.

- a. Wings expanded.
- b. Wings reversed.
- c. Wings deflected.
- d. Wings incumbent.
- e. Wings convolute.

Geometra. *Antennæ* filiform: *feelers* cylindrical: *tongue* projected, membranaceous setaceous bifid: *larva* 8—10 footed, 6 of which are pectoral, 2 caudal, and sometimes 2 subcaudal: *pupa* pointed at the tip.

- a. Antennæ pectinate.
- b. Antennæ setaceous.
- c. Wings forked, connivent.

Noctua.

Antennæ setaceous: *feelers* compressed hairy, the tip cylindrical and naked: *tongue* projecting horny setaceous bifid: *larva* 16—footed: *pupa* pointed at the tip.

- a. Wings expanded.
- b. Wings flat incumbent; thorax smooth.
- c. Wings flat incumbent; thorax crested.
- d. Wings deflected: thorax smooth.
- e. Wings deflected: thorax crested.

Hyblæa.

- Hyblæa.* *Antennæ* setaceous : *feelers* projecting, compressed, dilated in the middle : *lip* projecting, acute.
- Hepialus.* *Antennæ* moniliform : *feelers* 2, reflected hairy, between which is the rudiment of a bifid tongue : *larva* 16-footed, feeding on the roots of plants : *pupa* folliculate cylindrical and pointed at the tip.
- Cossus.* *Antennæ* short filiform : *feelers* 2, very short cylindrical reflected : *spiral tongue* 0.
- Pyralis.* *Antennæ* filiform : *feelers* 2, equal, almost naked. cylindrical at the base, the middle dilated into an oval, and subulate at the tip : *tongue* projected setaceous bifid : *wings* very obtuse and slightly curved at the exterior margin : *larva* 16-footed and rolling up the leaves to which it attaches itself.
- Tinea.* *Antennæ* setaceous : *feelers* 4, unequal : *larva* found in houses among linnen and woollen cloths and furniture, in which it eats holes and to which it is very destructive.
- Alucita.* *Antennæ* setaceous : *feelers* 2, divided to the middle, the inner division very acute.
- Pterophorus* *Antennæ* setaceous : *feelers* 2, linear naked : *tongue* exerted membranaceous bifid : *wings* fan-shaped, divided down to the base and generally subdivided as far as the middle : *larva* 16-footed ovate hairy : *pupa* naked subulate at the tip.

Bombyx.

Bombyx.

a. *Wings expanded.*

- Atlas.* Wings falcate varied with yellow white and ferruginous, with a transparent spot on each, that on the upper-pair with a contiguous smaller one.
 Inhabits *America* and *Afia*. *Merian. Sur. 52. tab. 52.*
Nat. Miscell. tab. 2. Cram. tab. 381, C.
Lower-wings with a yellow stripe before the margin inclosing a chain of black dots.
Larva verticillate with hairy tubercles and spins a web of very strong yellowish silk.
- Hesperus.* Wings falcate varied with white yellow and ferruginous, with an ovate transparent spot on each: lower-ones rounded.
 Inhabits *America*. *Merian Surin. tab. 65. fig. 65.*
Natural. Miscell. tab. 230. Cram. tab. 68. A.
Larva entire glabrous.
- Aurotus.* Wings falcate, both surfaces alike, yellowish with a whitish band and transparent lunule on the disk.
 Inhabits *America*. In the museum of Dr. Hunter.
 All the *wings* with a whitish streak or two at the base, in the middle a large hyaline lunule and behind this a yellow one, then a broad whitish band: on the tip of the *upper-wings* is a black ocellar spot with a white lunule.
- Cecropia.* Wing grey with a fulvous band; upper-pair with a subhyaline ferruginous eye.
 Inhabits *America*. *Cram. tab. 42. A. B. Catesb. tab. 86.*
- Irius.* Wings pale orange; upper-pair with a transparent spot; lower ones with a black eye, the pupil transparent.
 Inhabits *India*. In the Collection of Mr. Francillon.
- Saturnus.* Wings grey with a transparent triangular spot; lower-ones with a black eye, the pupil half closed.
 Inhabits *India*. In the Collection of Mr. Francillon.
 Eye on the *lower-wings* with a fulvous iris and a minute white oblong transparent pupil: *lower-wings* beneath cinereous at the base with a round brown spot: then a band and a lunule in the middle.

Paphia. Wings falcate, both surfaces alike, yellow with rufous streaks and transparent eye.

Inhabits *Asia.* *Petiv. Gaz. tab. 29 fig. 3.*

Eye on the *upper wings* with a sulphur iris and transparent pupil, that on the *lower-wings* with a blue iris.

Polypheemus. Wings falcate yellowish-grey with a central ocellate transparent eye on each, that on the lower-pair large and blueish.

Inhabits *America.* *Cram. 1. tab. 5. A. B.*

Naturalist's Miscellany. x. tab. 356.

Upper wings with 2 curved transparent streaks and marginal band: *lower-wings* with a brown marginal band.

Larva green: *pupa* yellow with brown.

Dione. Wings yellow with 2 streaks, the anterior of which is interrupted and flesh-colour, and a transparent eye.

Inhabits *Guinea.* *Body* yellow.

The eye on each *wing* is yellow with a black iris and a larger flesh-colour one, the pupil transparent.

Cytherea. Wings grey with cinereous streaks and a transparent eye.

Inhabits the *Cape of good hope.* *Cram. tab. 302. A, B.*

Antennæ pectinate ferruginous: *wings* slightly falcate; the eye between the streaks sulphur with a black iris surrounded with a white ring, the pupil large and transparent.

Myliuta. Wings falcate yellow with a ferruginous streak and divided transparent eye.

Inhabits *India.* *Cram. 13. tab. 146. A.*

Eye on the *wings* divided by a raised ferruginous nerve, the iris grey surrounded on the fore-part with ferruginous and a white lunule on the hind-part with black.

Promethes. Wings slightly falcate edged with grey: upper-pair with a black eye each side.

Inhabits *America.* *Cram. tab. 75. A, B. (M.) tab. 76, A, B. (F.)*

Wings of the *male* black, of the *female* ferruginous.

Larva green dotted with black, with 4 red spines before.

Erythrina. Wings brownish with a waved pale streak.

Inhabits *America.* *Cramer. tab. 197. A. B. Merian. t. 11.*

Larva yellowish with black spiracles, 4 black spines on the collar and 2 near the tail.

- Conspicillator.* Wings falcate; upper-pair brown with a paler sigmoid streak; lower-ones black with a large red eye.
Phal. Augusta. Natural. Miscell. viii, tab. 300.
Inhabits Amboina. In the British Museum.
Lower-wings with a very large red spot in the centre of which is a white one.
- Janus.* Upper-wings variegated, with a black eye beneath; lower-ones red with a black eye.
Inhabits Surinam. Cram. 6. tab. 64. A. B.
Eye on the upper-wings with an oblong white pupil; that on the *lower-wings* with a lunate white pupil, the tip pale beneath cinereous.
- Certhia.* Wings rounded brown, the tip cinereous with white and brown waves.
Inhabits Chusan. Pestr. Gazoph. tab. 18. fig. 3.
Body brown with cinereous collar and sides.
- Megara.* Upper-wings blue spotted with white; lower-ones white in the middle, the tip blue with yellow waves.
Inhabits North America.
- Hippodamia* Wings slightly falcate, brown with a paler margin in which is an interrupted white streak on the upper-pair.
Inhabits Surinam. Cram. 11. tab. 126. B.
Upper-wings with a blue subocellar dot near the tip.
- Nictitans.* Wings brown flesh-colour; lower-pair with a ferruginous eye, the pupil transparent.
Inhabits Africa. In the museum of Sir. Jos. Banks.
Lower-wings rounded, with a large eye surrounded with a brown and flesh-colour ring: beneath all dusky with a darker streak: *female* larger, the eye black.
- Semiramis.* Wings with very long tails, of various colours with a transparent dot on each.
Inhabits America. Cram. 2. tab. 13. A.
Wings yellow at the base, the tip of various colours with a triangular hyaline dot, lower-ones fulvous at the base with a round hyaline dot: *wing-tail* thrice as long as the body, brown tipped with white.
- Boreas.* Wings tailed cinereous varied with brown; upper-pair with 2, lower-ones with a single transparent dot.
Inhabits

Inhabits *America*. *Cram. Inf.* 6. *tab.* 70. *B.*
Upper-wings falcate : lower-ones tailed.

Luna. Wings tailed, both surfaces alike, pea-green with a transparent lunule eye on each.
Inhabits *North America*. *Cram.* 1. *tab.* 2. *A.*
Natur. Miscell. viii. *tab.* 264. *Catesby.* *tab.* 84,
Upper-wings with a dark brown rib which extends across the thorax : body covered with white wool.

Epimethea. Wings tailed brownish with a white streak ; lower-ones with a fulvous eye on the disk.
Inhabits *Guinea*. *Cramer.* 15. *tab.* 176. *A.*

Argus. Wings tailed pale ferruginous with numerous transparent ocellar dots ; tail very long.
Inhabits *Africa*. *Cram.* 3. *tab.* 29. *fig.* 1.
Body pale ferruginous : antennæ pectinate black : dots on the wings surrounded with a fulvous and black ring : wing-tails thrice as long as the body, ferruginous with paler tips.

Fenestra. Both surfaces of the wings alike, yellow with 2 transparent spots on the upper-pair and one on the lower.
Inhabits *India*. *Clerk. Icon.* *tab.* 55. *fig.* 1.

Penelope. Wings yellowish speckled with brown, a transparent central eye on each.
Inhabits *India*. *Cramer.* 4. *tab.* 45. *A.*

Tyrrhea. Wings grey with white streaks and a central black eye, the pupil transparent.
Inhabits the *Cape of good hope*. *Cram.* 4. *tab.* 46. *A.*
Antennæ pectinate : thorax grey with a white streak before : abdomen subtestaceous : lower-wings testaceous at the base, the eye with a yellowish iris.

Perispicua. Wings brown ; upper-pair with a short transparent band.
Inhabits *India*.

Armida. Wings yellow with violet specks spots and streak behind.
Inhabits *Cayenne*.
Antennæ yellow : thorax yellow with a violet spot on the back : abdomen yellow, the first segments with a violet dorsal spot : wings beneath yellow with a violet spot in the middle.

Militaris. Both surfaces of the wings alike, yellow with violet tip and spots; upper-pair spotted outwardly with white.
Inhabits *Asia* and *China*. *Cramer.* 3. *tab.* 29 B.

Castalia. Wings rounded white; upper-pair with an eye; lower-ones with a brown dot

Inhabits *New Holland*. In the museum of Sir. *Jos. Banks.* .

Thorax brown: *breast* white: *abdomen* above grey, beneath white with lateral black dots: *upper-wings* brown at the base, the middle whitish with a large blue eye surrounded with a black ring, then brown, the hind-margin cinereous with 2 waved brown streaks,

* *Pavonia.* Wings rounded clouded with grey and barred with grey beneath, each of them with a nictitant semitransparent eye.

Inhabits *Europe*. *Donovan.* 1. *tab.* 1. and viii. *tab.* 253.

Antennae of the male, more pectinate and the *lower-wings* yellowish at the base.

Larva gregarious green, verticillate with red or yellow hairy protuberances: *pupa* blackish folliculate with an elastic aperture at the tip.

This insect is subject to some varieties in size and the dispositions of its markings.

Achelus. Wings ferruginous; all of them with a white band and the upper-pair with a white dot.

Inhabits *America*. *Cramer.* 10. *tab.* 101. A.

Behind the white band is an indented brown one.

Argulata. Wings scalloped indented; lower-ones truncate and very obtuse

Inhabits *Surinam*. *Cramer.* 6. *tab.* 61. E, F.

Upper-wings above brown at the base, the tip ferruginous: *lower-wings* subferruginous. Beneath cinereous at the base speckled with rufous, the tip rufous.

Liberia. Upper-wings cinereous or reddish with darker spots and streaks; lower-ones fulvous with a black eye.

Inhabits *Surinam*. *Cramer.* 23. *tab.* 268. F, G.

Lower-wings with a paler margin on which is a large eye with blue specks and cinereous iris.

* *Tau.* Wings testaceous with a subviolet eye, the pupil white and arrow shaped.

Inhabits *Europe*. *Roef. Inf.* 4. *tab.* 7. *fig.* 3, 4.

Larva green with oblique lateral white stripes, the back warty :
pupa chestnut-brown hairy.

To. Wings yellow; upper-pair with a black eye beneath; lower-ones with one above, the pupil white
Inhabits *America*. In the museum of Dr *Hunter*.
Antennæ yellowish, very much pectinate: *head* and *thorax* hairy yellow: *upper-wings* with a ferruginous spot in the middle, beneath a rufous streak behind the eye: *lower-wings* with a semicircular black streak and another ferruginous one behind the eye, beneath a ferruginous streak.

Abas. Wings brown; lower-ones cinereous with a rufous eye.
Inhabits *Surinam* *Cramer*. 7. *tab.* 77 *fig.* A. B.
Eye in the middle of the *lower-wings* with a black iris and white pupil.

Salmensa. Upper-wings brown with a black streak: lower-ones rufous with a black eye in which is a white lunule.
Inhabits *Surinam*. *Cramer*. 14. *tab.* 162. A.
Body brown: *abdomen* with rufous rings: *upper-wings* with 2 transverse rufous lines in the middle and a black streak behind: *lower-wings* with a large black eye, the iris yellow, the pupil lunate, behind this is a thin black streak and a broader ferruginous one: all beneath with a central white dot.

Proserpina. Wings rounded black with a white band in which is a sub-ocellar black spot.
Inhabits *America*. *Cramer*. 2. *tab.* 98. A.
Thorax black with a pale band before: *abdomen* black, the tail reddish: spot on the *wings* with a lunate white pupil.

b. *Wings reversed.*

Populifolia. Wings testaceous indented, with numerous brown lunules.
Inhabits *Austria*. *Wien. Verz.* 310. 5.
Thorax testaceous with a black dorsal line: *lower-wings* half-covered, paler at the tip.

Quercifolia. Wings indented ferruginous; mouth and thanks black.
Inhabits *Europe*. *Albin.* 1. *tab.* 26. *Merian.* *Eur. tab.* 1. *fig.* 3.
Larva slightly tailed hairy ferruginous with blue collars: *pupa* folliculate brown with red bands.

Ilcifolia. Wings half-covered ferrate grey, the hind-margin dotted with white.
Inhabits *Europe*. *Degeer Inf.* 1. *tab.* 14. *fig.* 7—9.

Larva

Larva cinereous with fulvous spots on the neck: *pupa* folliculate chefnut-brown.

Promela. Wings slightly indented brown immaculate: abdomen chefnut-brown.

Inhabits *Java*. *Cramer*. 6. *tab.* 72. D.

Antennæ pectinate, chefnut-brown: *lower-wings* slightly indented.

Cassandra. Wings ferruginous with darker-streaks; thorax chefnut-brown on the fore-part.

Inhabits—In the museum of *Dr. Hunter*.

Head testaceous: *antennæ* slightly pectinate pale: *thorax* cinereous behind; *upper-wings* indented: *lower-ones* cinereous.

Capensis. Wings pale red: upper-pair with 2 flexuous streaks, the posterior of which is joined to a black one.

Inhabits *Africa*. *Abdomen* yellow.

Orientalis. Wings testaceous with 3 ferruginous streaks, beneath a single one.

Inhabits *East India*; large hairy.

Alucc. Wings brown cinereous at the tip.

Inhabits the *Cape of good hope*; large.

Abdomen covered with ferruginous hairs, all the *wings* beneath ferruginous with numerous cinereous specks.

Australasice Wings orange red; lower-ones beneath ferruginous at the base.

Inhabits *New Holland*. In the museum of *Sir Jos. Banks*.

Feckers large, obtuse: *body* pale orange.

Quadricinc. Wings chefnut-brown with 4 pale streaks.

ta. Inhabits *East India*: large,

Antennæ pectinate: *lower-wings* immaculate.

**Fagi.* Wings reddish-cinereous with 2 linear flexuous yellow bands.

Inhabits *Europe*. *Albin. tab.* 58. *Roes. Inf.* 3. *tab.* 12.

Larva chefnut-brown, toothed on the back, the 6 fore-legs longer, tail reflected with 2 short horns: it rests with its head and tail raised up and its fore-legs hanging down; *pupa* folliculate, chefnut-brown.

**Trifolii.* Wings ferruginous; upper-pair with a pale streak and white dot: lower-ones immaculate.

Inhabits

Inhabits Europe. *Linnean Transf.* iii. p. 3. tab. 2. fig. 1, 2, 3, 4.
Rees. Inf. 1. *Phal.* 2. tab. 35. a. fig. 4. 5. 5. *Ess. Ph.* 3. t. 15.
Larva solitary hairy pale ferruginous with 2 blackish bands, a red collar and white lateral line: *pupa* folliculate yellow before, ferruginous behind.

* *Quercus.* Wings dark brown (ferruginous) with a yellow band: upper-pair with a central white dot.

Inhabits Europe. *Donovan.* iii. tab. 103, 104.

Male dark-brown: *female* pale ferruginous, the white dot surrounded with a black ring.

Larva hairy grey annulate with black and marbled on the sides: *pupa* folliculate green, brown before.

Stigma. Wings testaceous speckled with brown and with a central snowy dot.

Inhabits America. In the museum of Dr. Hunter.

Upper wings with an oblique brown streak behind; all beneath testaceous with a brown streak and specks.

Lusca. Wings ferruginous; upper-pair with a black spot in the middle in which is a white lunule.

Inhabits Coremandel.

Antenna short very much pectinate: *thorax* with a darker streak in the middle: *upper-wings* with a streak of brown dots near the margin: *lower-wings* and all beneath immaculate.

Pruni. Wings indented yellow with 2 brown streaks and a brown dot.

Inhabits Europe. *Rees. Inf.* 1. *Phal.* 2. tab. 36.

Larva smooth cinereous with blue lines, the neck and sides with fasciculate hairs; hind-legs projecting distant: *pupa* folliculate, black before pale ferruginous behind.

Amphimone Wings entire pale ash with 2 black streaks; upper-pair with a fulvous dot in the middle.

Inhabits Terra del Fuogo. In the museum of Sir Jof. Banks.

Antennae pectinate brown: *body* fulvous: *thorax* with 2 black lines: *abdomen* with black belts: *wings* beneath with a single straight streak.

* *Potatoria* Wings slightly indented yellow-brown with an oblique fulvous line and 2 white dots on the upper-pair.

Inhabits Europe. *Donovan.* v. tab. 148. *Albin.* 1. tab. 17.

Larva tailed crested hairy dark brown speckled with white: *pupa* folliculate dark brown: *eggs* oblong lead-colour with a green ring at each end and a dot in the middle.

- Oculatif-
fima.* Wings white with numerous black ocellar dots.
Inhabits *America*. In the museum of Dr. *Hunter*.
Antennæ filiform black: *head* white with a brown dot each side
under the antennæ: *thorax* white with 12 ocellar dots 2, 4, 6,
two of them large and flexuous: *abdomen* above black, beneath
white with red sides.
- Punctatif-
fima.* Wings and body snowy dotted with white: *thorax* with a
black lunule each side.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Pithecium.* Wings clouded with brown, a palmate spot on the disk
acute-angled at the base.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Hibisci.* Both surfaces of the wings alike, yellow with 2 brown streaks
on the upper and one on the lower pair.
Inhabits *India*; on the *Hibiscus populneus*,
Body yellowish: *thorax* yellow on the fore-part.
- Cynera.* Wings yellow with 2 brown streaks, and 3 connected brown
rings on the upper-pair.
Inhabits *Surinam*. *Cramer. 13. tab. 152. C.*
- Opercularis* Wings yellow, the anterior margin and disk brown with
numerous anastomosing whitish lines.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Pyxidifera.* Wings yellow, the disk with numerous brown and black
flexuous patches.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Pini.* Wings grey speckled with brown, with a ferruginous band
and base, and triangular white dot.
Inhabits *Europe*. *Donovan. v. tab. 177. 178.*
Merian Europ. tab. 22. Wilkes 29. tab. 3. b. 5.
Female pale ferruginous where the male is grey.
Larva slightly tailed varied with white grey and brown, 2 blue
collars with rufous dots each side: *pupa* folliculate, dark brown.
- Velleda.* Wings black with white nerves; the margin with 4 white
streaks.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Dumeti.* Wings brown; upper-pair with a yellow dot band and
hind-margin.

Inhabits *Europe.* *Esp. Phal.* 3. *tab.* 14. *fig.* 3. 4.

Larva brown with yellow dots and transverse black spots: *pupa* chestnut-brown, the tail toothed.

• *Verficolora.*

Upper-wings grey varied with brown and transverse black and white lines; lower-ones ferruginous.

Inhabits *Europe.* *Donovan.* v. *tab.* 158. *Wilkes.* 45. *tab.* 1.

Upper-wings with 3 white spots at the extreme angle: *female* paler

Larva slightly tailed, greenish with yellow dots and oblique yellow lines.

• *Rubi.*

Wings fawn-colour with 2 whitish streaks which are wanting beneath.

Inhabits *Europe.* *Donovan.* 2. *tab.* 69. *Roef.* 3. *tab.* 49.

Larva hair, beneath black, above ferruginous with black rings: the younger ones silky, black with rich blue rings; *pupa* folliculate blackish with 3 yellow rings.

• *Lunigera.*

Wings black with 2 whitish streaks and a snowy lunule in the middle.

Inhabits *Europe.* *Act. Haffn.* 2, 2, 98, 1. *tab.* 2. *fig.* 1.

• *Vinula.*

Wings grey with blackish waves and streaks: thorax and abdomen grey spotted with brown.

Inhabits *Europe.* *Donovan.* iii. *tab.* 85. *Albin.* 11. *tab.* 5.

Merian Europ. *tab.* 39. *fig.* 140. *Roef.* 1. *phal.* 2. *tab.* 19.

Larva solitary gibbous green with a brown back, tail with 2 long bristles; from an aperture under its head it discharges an acrid moisture: *pupa* folliculate dark brown.

• *Lanestrus*

Wings ferruginous with a white streak and 2 dots on the upper-pair.

Inhabits *Europe.* *Donovan.* vi. *tab.* 210. *Roef. Phal.* 2. *tab.* 62.

Larva gregarious hairy black, each segment with 3 white dots between 2 red tufted spots: *pupa* folliculate sulphur: eggs covered with a thick cinereous wool.

• *Rubicunda.*

Upper-wings rosy with a broad yellow band.

Inhabits *Virginia.*

Antennæ yellow pectinate, naked at the tip: *body* yellow: *lower-wings* yellowish with a rosy shade.

• *Populi.*

Brown, the fore-part pale: wings brownish with a flexuous whitish streak and contiguous smaller one.

Inhabits *Europe.* *Roef.* 1. *phal.* 2. *tab.* 60. *Wilkes.* 23. t. 3. a 13.

Larva cinereous darker on the back, each segment with 2 pair of red dots : *pupa* folliculate, brown before and red behind.

Catax. Wings ferruginous uniform with a white dot.

Inhabits *Eur. pe.* *Efp. Phal. tab. 16. fig. 1—3.*

Larva cinereous with 2 dorsal black lines dotted with red: *pupa* folliculate, chefnut-brown before and brown behind.

Everia. Wings yellow (fem. chefnut-brown) with a white dot and paler at the tip

Inhabits *Germany.* *Efp. Bomb. 3 tab. 6—9.*

Larva gregarious hairy, chefnut-brown with black incisures and lateral blue spots with sulphur dots : *pupa* folliculate yellowish.

Processio-nea. Wings cinereous-brown, with a single darker streak on the female and 3 on the male.

Inhabits *Europe:* *Reaumur. Inf. 2. tab. 11.*

Larva gregarious hairy, brown-ash with a blackish back and yellow warts : the skin which is cast off is said to produce inflammation if touched.

Pithyocam. pa. Wings grey with 3 darker streaks : lower-ones pale with a brown dot near the tail.

Inhabits *Austria.* *Wien. Verz. 58. 11.*

Body hairy grey : *abdomen* yellowish.

Larva hairy blueish with yellow spots on the back, head black.

Varia. Wings brown with waved paler streaks.

Inhabits *Austria.* *Lower-wings* immaculate.

Mori. Wings pale with 3 obsolete brown streaks. *Silk-worm.*

Inhabits *China*, on the Mulberry-tree, and was introduced into *Europe* in the Reign of the Emperor Justinian : the fine silky threads which compose the follicle of the pupa is converted into that valuable article of commerce and luxury silk.

Merian. Europ. 1. tab. 1. Albin. tab. 12. fig. 16.

Bradt Nat. tab. 27 fig. 1. Roes 3 tab. 7. 8.

Larva tailed naked whitish : *pupa* folliculate reddish-brown.

Tricolora. Upper-wings snowy with a scarlet rib and a streak of black dots ; lower-ones scarlet : thorax snowy with red dots.

Inhabits *Cayenne.*

Head scarlet : *antennae* pectinate black : *abdomen* scarlet : all the wings beneath scarlet.

Ferruginea. Wings ferruginous immaculate.

Inhabits *Italy*.

Head and thorax ferruginous : *abdomen* brown.

**Neustria.* Wings pale buff-colour with 2 ferruginous streaks and only one beneath.

Inhabits *Europe.* *Donsvan. iii. tab. 95. Alb. 19. fig. 27.*

Wilks pap. 21. tab. 3, a 10.

In *Mr. Donsvan's* plate there is only one broad darker band.

Larva gregarious glaucous with a white line down the back and 3 red ones on the sides : *pupa* folliculate brown.

**Castrensis* Wings dusky with 2 paler bands.

Inhabits *Europe* *Degeer. Inj. 1. tab. 13. fig. 4—6.*

Larva gregarious hairy, blue with red lines and spotted with black : *pupa* folliculate dusky.

Americana. Wings whitish with patches of brown.

Inhabits *North America.*

Antennae pectinate white : *lower wings* and all beneath immaculate.

Franconica. Wings hyaline whitish with a pale streak and black border.

Inhabits *Austria* : on the *Triticum* repps.

Head and thorax hairy yellowish : *abdomen* brown.

Female chestnut brown with only a darker lunule in the middle of the upper-wings.

Taraxaci. Wings pale, both surfaces alike ; upper-pair with a brown dot in the middle : body fulvous.

Inhabits *Austria.* *Fyesh. Arch. tab. 34.*

Body hairy fulvous, blackish on the back.

Larva hairy black with abbreviated yellowish bands : *pupa* naked, chestnut brown 2 spined at the tip.

Illeis. Wings dull grey with a white band in which is a waved grey streak.

Inhabits *France*, on the *Oak*.

Body grey : *abdomen* yellowish above : *lower-wings* whitish.

Larva green with a blue dorsal line edged with yellow and a yellow lateral line : *pupa* black.

Mali. Wings cinereous with a sinuate darker band in which is a black dot.

Inhabits *Germany.* *Reaum. Inf. 1. tab. 44 fig. 7—10.*

Antennae,

Antennae pectinate : *upper-wings* with a broad darker band terminating before and behind in a sinuate black streak : *lower-wings* and all beneath darker with a brown streak in the middle.

Larva solitary hairy, chestnut-brown with a paler dorsal line and blue stigmata.

Hieracii. Wings entire footy black.

Inhabits *Europe*, on the *Delphinium Hieracium*.

Larva hairy black with a red dorsal line, and secretes itself within a follicle which it makes of dry leaves and straws : *pupa* folliculate rusty-brown.

Apiformis. Wings footy-black ; body covered with ferruginous hairs.

Inhabits *Italy* ; small.

Antennae black, much pectinate : all the *wings* footy.

c. *Wings deflected.*

Lagopus. Wings yellowish with brown specks and 2 streaks : fore-legs projecting and very hairy.

Inhabits *China* : body very large.

Antennae slightly pectinate : *thorax* smooth brownish : between the streaks on the *upper-wings* are 2 brown spots, one round the other kidney-shaped.

Imperatoria Wings yellow spotted with brown, all of them with a sub-ocular ferruginous spot.

Inhabits *India*. Drury. *Inf.* 1. tab. 9. fig. 1. 2.

Thorax hairy yellow varied with brown : *abdomen* yellow, the back brown with yellow dots.

Senatoria. Wings brown-testaceous with a brown streak ; upper-pair with a central snowy dot.

Inhabits *America*. Smith's *Lepidopt. Inf. of Georgia*,

Pellucida. Wings brown-testaceous with a purple outer-margin ; upper-pair with a central snowy dot.

Inhabits *America*. Smith's *Lepidop. Inf. of Georgia*.

Crafficornis Wings cinereous with brown specks and waved streaks.

Inhabits *India* : large.

Antennae pectinate flexuous very thick at the base : *lower-wings* cinereous immaculate. Beneath all cinereous with a brown streak.

- Hyphinoe.* Wings blue ; upper-pair spotted with yellow.
Inhabits *Amboina*. *Cramer.* 13. *tab.* 154. B.
Body dull blue : *lower-wings* blue with a fine yellow edge.
- Cyane.* Wings black with hyaline spots ; lower-ones with fulvous lunules.
Inhabits *Amboina*. *Cram.* 23. *tab.* 267. D.
Antennae pectinate : *abdomen* brown with testaceous rings : *lower-wings* with a white hyaline band in the middle and 5 lunules behind.
- Regalis.* Wings grey-brown with fulvous veins and yellow spots.
Inhabits *North America*.
Antennae pectinate setaceous at the tip : *thorax* fulvous, yellow on the fore-part with a fulvous band and 2 yellow dorsal lines : *abdomen* fulvous, the edges of the segments yellow : *lower-wings* fulvous with a yellow base, beneath yellow with a fulvous dot in the middle and streak behind.
- *Dispar.* Upper-wings of the male dark-brown with blackish flexuous bands, of the female whitish with transverse flexuous brown lines.
Inhabits *Europe*. *Donovan.* v. *tab.* 163. *Merian.* 1. *tab.* 18.
Larva hairy with white lines and blue spots on the fore-part, red ones behind ; when handled causes an unpleasant itching on the skin : *pupa* folliculate with 4 black dots before.
- Lantanae.* Wings snowy with 3 or 4 streaks of connected brown rings.
Inhabits *America*. *Cramer.* *tab.* 181. E.
Antennae pectinate : *mouth* black : *head* snowy : *thorax* snowy with 3 pair of black dots : *wings* hyaline at the tip : *abdomen* above fulvous with 2 lines of black dots, beneath snowy (male.)
head and *thorax* snowy immaculate : *abdomen* above yellow, beneath snowy (female.)
- Amasis.* Wings whitish with black streaks ; lower-ones yellow spotted with black : *abdomen* black with red belts.
Inhabits *Surinam*. *Cramer.* 18. *tab.* 206. B.
Head and *thorax* whitish spotted with black : *abdomen* with 5 red belts, the tail yellow : *upper-wings* with 3 angular black streaks.
- *Pudibunda* Wings cinereous with 3 waved brown streaks.
Inhabits *Europe*. *Donovan.* v. *tab.* 166. *Merian.* 1. *tab.* 47.
Upper-wings with 2 brown spots at the tip and a short brown line between the 2 first streaks.

Larva tufted hairy yellow, tail with a long red tuft and 4 white ones on the back: *pupa* folliculate brown before, pale chestnut behind, and spotted with yellow.

**Festelina* Wings cinereous with black specks and 2 flexuous fulvous streaks.

Inhabits *Europe*. Merian. *Eur. tab. 8.* Degeer. 1. *tab. 15. fig. 15.*

Larva hairy fasciculate dotted with red, 5 of the tufts on the back white, those of the head and tail brown: *pupa* folliculate pale chestnut with a paler dorsal line.

Leucophaea Wings brown; upper-pair with a broad whitish streak, a black line at the base and a white dot at the hind-angle.

Inhabits *America*. Smith's *Lepidopt. Inf. of Georgia.*

Leucostigma Wings grey; upper-pair with black streaks and lines and a white lunule at the hind-angle. Female apterous.

Inhabits *America*. Smith's *Lepidopt. Inf. of Georgia.*

**Bucephala* Wings grey with 2 double brown flexuous streaks and a large yellow spot at the tip.

Inhabits *Europe*. Donovan. i. *tab. 3.* Albin. *tab. 23. f. 33.*

Merian. *Europe. 3. tab. 41.* Degeer. 1. *tab. 13. f. 14—19.*

Larva hairy black with yellow lines and rings and white lateral dots: *pupa* naked dark brown with 2 horns before.

Helops Wings clouded; lower-ones pale-chestnut; abdomen chestnut-brown annulate with white.

Inhabits *America*. Cramer. 6. *tab. 72. C.*

Upper-wings brown with ferruginous clouds.

Oleagina Wings slightly tailed green-brown with 2 white spots, the anterior pupillate the hind-one larger;

Inhabits *Germany*. Wien, *Verz. 59. 21.*

Antennae pectinate ferruginous with a white shaft: lower-wings whitish edged with brown.

Larva 4 toothed, behind cinereous with black and red indentations, collar red with black dots.

**Cæruleophaea* Wings brown marbled with blueish and a double irregular whitish spot.

Inhabits *Europe*. Donovan. iii. *tab. 100.* Merian. *Eur. t. 9-*

Lower-wings grey with a brown streak.

Larva

Larva naked blueish with a yellow line down the sides and dotted with black : *pupa* folliculate pale chestnut.

Argentina. Wings toothed on the back, grey with 2 silvery spots, the anterior heart-shaped.

Inhabits Germany. *Panz. Fn. Germ. 2. tab. 18.*

Wings with a strong erect tooth on the back : *upper-wings* with 3 dots before the spots.

Larva naked grey, the segments 4. 11. 12. tuberculate : *pupa* obtuse pale chestnut.

Decora. Upper-wings variegated with red yellow and black ; lower-ones red edged with black.

Inhabits the Cape of good hope. *Cram. 19. tab. 219. F. G.*

Upper-wings with 4 rufous spots and an abbreviated rufous band, the hind-margin black with 7 yellow spots.

Celsa. Wings above green with a sinuate indented glaucous band.

Inhabits Sweden. *Fn. Succ. 1141. tab. 2. fg. 1141.*

Hind margin of the *upper-wings* and the whole of the lower-ones brown.

Dione. Wings white striate and dotted with black, beneath a purple margin.

Inhabits North America.

Antennae pectinate : *thorax* cinereous with 3 black lines : *abdomen* beneath dotted with black ; *lower-wings* white with a few black dots.

* *Ziczac.* Wings toothed on the back, clouded brown and reddish white with a large clouded ocellar spot at the tip : *antennæ* scaly.

Inhabits Europe. *Donovan. iv. tab. 119. Merian. tab. 147.*

Larva solitary naked pale rosy with white lateral lines and 2 gibbosities on the back, the tail red ; *pupa* folliculate dark brown.

Tritophus. Wings toothed on the back, clouded with brown, in the middle a ferruginous lunule surrounded with white.

Inhabits Austria. *Wien. Verz. 63. 6.*

Head and *thorax* hairy brown : *abdomen* cinereous ; *lower-wings* white with a brown patch near the tail.

Larva solitary naked green with 3 gibbosities on the back, tail obtuse, head brown.

- Elegans.* Wings glaucous with 2 black streaks and spot in the middle, in the latter of which is a ferruginous lunule.
Inhabits the *Cape of good hope*. In the Museum of Sir. *J. Banks*.
Head brown with yellow dots: *feelers* yellow: *antennae* hardly pectinate: *thorax* downy cinereous with 4 yellow dorsal spots: *lower-wings* and all beneath dusky.
- Camelus.* Wings yellowish with 2 red streaks and a line in the middle.
Inhabits *India*. In the Collection of Mr. *Francillon*.
Antennae pectinate setaceous at the tip: *lower-wings* flesh-colour beneath whitish.
- DiElaa.* Wings appearing as if parched with a whitish stripe; lower-ones whitish.
Inhabits *Europe*. *Esp. Phal.* 3. tab. 84.
Larva smooth gibbous behind, green with a white dorsal line and yellow lateral one, fore-legs rufous.
- Gnoma.* Wings slightly indented grey-white with a marginal black band in which is a white spot.
Inhabits *Hamburg* *Esp. Phal.* 3. tab. 84.
Antennae hardly pectinate: *thorax* grey with a black streak before and behind; *lower-wings* whitish with a brown spot beneath at the outer margin: *abdomen* grey, tail white.
- Dromedari-
us.* Upper-wings toothed on the back, clouded with a yellowish patch at the base and near the tail.
Inhabits *Europe*. *Ammiral. Inf.* tab. 14.
Lower-wings with a ferruginous band behind.
Larva solitary naked green with 4 gibbositics on the back, tail reflected.
- Angrina.* Upper-wings clouded with a transverse pale streak and base, the tip with 2 black dots in a subocellar whitish spot.
Inhabits *America* *Smith's Lepidopt. Inf. of Georgia*.
- Concinna.* Upper-wings clouded with a blackish patch at the base and angles, marginal streaks and dots on the disk.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Unicornis.* Upper-wings clouded with green and brown, the tip yellowish with a blackish patch on the disk and marginal dots and streaks.

Inhabits

Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

Aurora. Upper-wings yellow, the base and margin speckled with red.

Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

**Coryli.* Wings; glaucous with a ferruginous band in which is a black dot annulate with white: thorax variegated.

Inhabits *Europe.* *Albin. tab. 90. Degeer. 1. tab. 18. f. 4. 5.*

Larva tufted red hairy, 2 tufts on the back one on the tail and those on the neck longer: *pupa* folliculate, black before, pale chefnut behind.

Nuda.

Upper-wings naked hyaline; lower-ones cinereous with a marginal naked spot.

Inhabits *India.* In the museum of Sir *Jos. Banks.*

Antennæ pectinate brown: *head* testaceous; *thorax* and *abdomen* cinereous.

Morio.

Wings black hyaline; abdomen villous black, the segments edged with yellow.

Inhabits *Europe,* on the *Lolium perenne.*

Antennæ pectinate black with a white shaft. *Female* wings short cinereous hyaline, abdomen white.

Larva black with 6 lines of ferruginous hairy protuberances: *pupa* folliculate black with pale spots.

Rubea.

Wings hyaline pale reddish with a pale dot in the middle.

Inhabits *Austria.* *Wien. Verz. 51. 2.*

Antennæ pectinate.

Albæa.

Wings ferruginous with a white dot in the middle and punctured brown streak.

Inhabits *New Holland.* In the museum of Sir *Jos. Banks.*

Antennæ short pectinate: *body* hairy ferruginous: *lower-wings* immaculate.

**Monacha:* Wings white with black waves: incisures of the abdomen red.

Inhabits *Europe.* *Donovan. vii. tab. 227. Schæff. t. 68. f. 2. 3.*

Larva brown-ash with red tufts on the back, the second segment with a heart shaped black spot: *pupa* blackish.

Flava.

Wings deep yellow with 3 black dots at the tip.

Inhabits *India.*

Antennæ short pectinate: *thorax* hairy yellow.

Lutea

Lutea.

Wings deep yellow immaculate.

Inhabits *New Holland*. In the museum of Sir. *Jos. Banks*.
Body entirely yellow, the eyes only black.*Ephippiger.*

Wings yellow with a common brown dorsal streak.

Inhabits *South American Islands*.

Body yellow: upper wings with a common abbreviated brown streak terminating at each end by a white one: lower-wings pale immaculate.

* *Curtula.*

Wings glaucous with white streaks and a testaceous immaculate spot at the tip.

Inhabits *Europe*. *Sepp. Inf. 4. tab. 1. fig. 13—18. ?*

Larva solitary hairy cinereous with 4 streaks of ferruginous dots.

Reclusa.

Wings grey with subanastomosing whitish streaks the tip with a ferruginous spot in which is a marginal white dot.

Inhabits *Germany*. *Roes. Inf. 4. tab. 11. fig. 1.—6.*

Larva brown with a cinereous dorsal line and 2 black spots: pupa folliculate, chestnut-brown.

Anchoreta.

Wings grey with white streaks, the tip with a brown ferruginous spot in which is a waved white streak.

Inhabits *Austria*. *Roes. Inf. 3. tab. 43.*

Upper-wings with 2 black dots at the angle of the tail.

Larva hairy brown with a flesh-colour dorsal stripe, 2 elevated warts and rufous lateral dots.

* *Anastomosis.*

Wings grey with 3 whitish lines which nearly meet below, the tip with a reddish spot.

Inhabits *Europe*. *Donovan. iv. tab. 124. 129. fig. 4*

Larva brown with a line of white dots down the back and a yellow lateral line dotted with red, the shoulder and tail protuberant: pupa folliculate black with 2 red streaks.

Cippus.

Wings brown with 3 green spots.

Inhabits *Surinam*. *Cramer. 5. tab. 35. E.**Reflexa.*

Wings varied with cinereous and brown; feelers reflected, as long as the thorax.

Inhabits *South American Islands*.

Antennæ simple: feelers compressed hairy ferruginous reflected between the antennæ and reaching as far as the wings: upper-wings with brown patches and a lunule in the middle: lower-wings cinereous.

* *Palpina.*

* *Palpina.* Wings toothed whitish with black veins; feelers projecting feathered.

Inhabits Europe. *Degeer Inf.* 1. tab. 4. fig. 7.

Larva solitary naked green with a yellow lateral line.

* *Trepida.* Wings 1-toothed on the back with an ocellar dot in the middle and macular brown streaks behind.

Inhabits Europe. *Donovan vii.* tab. 239. fig. 1.

Antennae pectinate ferruginous: *thorax* brown: *abdomen* cinereous: *upper-wings* with an oblong brown dot annulate with white and a streak of 6 brown dots behind; in the middle of the inner-margin is a strong erect black tooth: *lower-wings* white with a grey inner-margin.

Larva solitary naked, green with 2 white dorsal lines and 2 reddish-yellow oblique lateral ones: *pupa* folliculate, half buried in the earth.

Querna. Wings grey with 3 black streaks connected to as many white ones.

Inhabits Austria. *Wien. Verz.* 49, 5.

Antennae pectinate ferruginous: before the hind-streak on the *upper-wings* is a whitish patch: *lower-wings* whitish

Larva gibbous behind naked, green with 4 yellow lines and black spiracles.

* *Cafuzina* Wings indented ferruginous with a reflected tooth on the back.

Inhabits Europe. *Wien. Verz.* 63, 4.

* *Camelina.* Wings indented ferruginous with 2 oblique yellow lines: all with a small tooth on the back.

Inhabits Europe. *Donovan vi.* tab. 183.

When at rest there appear 2 tufts on the back formed by the teeth on the wings.

Larva naked greenish with 2 red horns behind and red stigmata: *pupa* folliculate claret-brown.

* *Aulica.* Upper-wings grey dotted with yellow; lower-ones fulvous spotted with black.

Inhabits Europe. *Albin. tab.* 22. *Merian. Eur.* 2. tab. 8.

Larva solitary black with white protuberances, above with white beneath with ferruginous hairs.

Helvola. Wings pale orange with regular cinereous spots and a streak behind.

Inhabits Germany.

Antennæ pectinate : *head* and *thorax* pale red : *abdomen* cinereous, the tail bearded pale red : *lower-wings* cinereous.

Undata. Wings cinereous with 2 brown bands including a few cinereous streaks.

Inhabits *Germany*.

Upper-wings with a few brown spots at the base and hind-margin : *lower-wings* cinereous.

Acria. Wings snowy with black dots, those near the rib larger : legs annulate.

Inhabits *Carolina*. *Drury Inf. tab. 3, fig. 2, 3.*

Antennæ black : *head* and *thorax* snowy : *abdomen* snowy with 5 rows of black dots, the back fulvous : *legs* white annulate with black.

* *Erminea.* Wings white with scattered black dots : *abdomen* with 5 rows of black dots

Inhabits *Europe*. *Linn Transf. 1. p. 70. tab. 1. fig. 1.*

Donrnan. vi. tab. 189. Harris. Aur. tab. 38. g→b.

Thighs covered with ferruginous wool : *body* white ; *abdomen* fulvous with 5 rows of black dots, one down the back and 2 on the sides : *tail* white : *larva* hairy brown with a fulvous dorsal line.

* *Lubricipeda.* Wings pale orange with black dots generally placed in an oblique transverse row.

Inhabits *Europe*. *Linn. Transf. i. p. 71. tab. 1. fig. 2.*

Merian Eur. 1. tab. 46. fig. 65. Annimral. tab. 6.

Wings sometimes whitish or pale orange : *body* and *tail* pale fulvous.

Larva fasciculate brown with a whitish lateral line.

* *Mendica.* Wings of the male brown obscure, of the female white pellucid, both dotted with black.

Inhabits *Europe*. *Linn. Transf. 1. p. 72. tab. 1. fig. 3.*

Male, upper-wings brown with an obsolete whitish spot in the middle and about 9 scattered black dots, lower-ones with 4 or 5 black dots towards the margin. *Female*, all the wings pellucid, upper-pair with about 9 scattered black dots, lower-ones about 7 marginal ones.

Larva fasciculate pale ferruginous with red head and tail.

* *Papyratia* Wings snowy with black dots at the tip : *abdomen* with 5 rows of black dots.

Inhabits *Europe*. *Linn. Taanf. 1. p. 72. tab. 1. fig. 4.*

Very much resembles *Ph. erminea* but the black dots are only at the tip with one or two reaching in a line towards the base: *abdomen* fulvous: *tail* white.

Larva fasciculate dark brown with a reddish head: *pupa* blueish-black with white stigmata.

Advena. Wings brown with white costal dots: lower-ones black with a fulvous spot in the middle in which is a black dot.

Inhabits *Spain*.

Antennæ pectinate black with a white shaft: *thorax* and *abdomen* hairy cinereous: *upper-wings* brown with a white line at the base and 3 subocellate dots near the rib.

Rutila. Wings pale yellow with a ferruginous hind-margin.

Inhabits *Siam*. In the museum of Sir *Jos. Banks*.

Antennæ pectinate brownish: *body* pale: all the *wings* alike on both surfaces.

Luctifera. Wings black, yellow at the angle of the tail: *abdomen* above yellow with a dorsal line of black dots.

Inhabits *Austria*. *Wien. Verz.* 54. 4.

Head and *thorax* black: *abdomen* beneath black.

• *Leporina.* Wings white with branched black dots: *abdomen* immaculate.

Inhabits *Europe*. *Degeer Inf.* 1. tab. 12. fig. 10, 11, 17.

Lower-wings glossy-white immaculate.

Larva subvillous greenish with 3 brown lines before and 3 black tufts: *pupa* folliculate.

Lota. Wings cinereous with a black dot on the disk and a purplish broken streak behind.

Inhabits *Europe*. *Clerk Icon.* tab. 8. fig. 1.

Larva cinereous with black and white lines and whitish dots: *pupa* folliculate.

Strigosa. Wings brown with yellow streaks; lower-ones black with an angular submarginal yellow streak.

Inhabits *Laplând*. *Act. Hafn. Hist. Nat.* 2, 2. tab. 2. fig. 2.

Thorax black with yellow lines: *abdomen* black dotted with yellow at the sides.

Læta. Upper-wings snowy with a broad black band: *antennæ* simple.

Inhabits *Sweden*.

Head and ~~thorax~~ snowy speckled with black: hind-margin of the upper-wings dotted with black: lower-ones cinereous at the base and brown at the tip: all beneath grey.

Communi-macula. Wings pale flesh-colour with a common dorsal brown spot. Inhabits Southern Europe. *Hüb. Beytr.* 1. tab. 3. O.
Body pale: lower-wings whitish.

* *Compressa* Wings compressed snowy with a common brown spot, grey in the middle with a white lunule.
Inhabits Europe. *Donovan.* vii. tab. 239. fig. 2.
All the wings with dark spots round the margin.
Larva brown with 4 spines before and 2 behind, tail pointed: pupa chestnut-brown before and blue behind.

Milbauferi. Wings hoary with 2 dorsal brown spots: antennæ setaceous at the tip.
Inhabits Dreyden. *Esp. pap.* 3. tab. 21.
Larva green with forked dorsal spines, legs under the tail o: pupa chestnut-brown, emarginate before.

Spreti. Wings varied with flesh-colour and yellow, with white stigmata.
Inhabits Germany. *Naturf.* 21, 27. tab. 3.
Antennæ simple: body brown: upper-wings with a row of white dots: lower-wings brown. Beneath cinereous with a darker streak.
Larva naked green with a white dorsal line and ferruginous lateral one: pupa naked ferruginous.

Lincus. Wings black; upper-pair fulvous at the tip, lower-ones at the base.
Inhabits Surinam. *Cramer* 5. tab. 50. fig. 11.
Antennæ filiform: the inner-margin of the upper wings ends in a point: lower-wings with a very thin hind-margin.

Ulmi. Upper-wings grey striate with white at the tip.
Inhabits Germany, on the Elm. *Wien. Verz.* 66, 1.
Body cinereous: upper-wings grey with obsolete abbreviated brown streaks at the base and cinereous semicircles, in the middle a row of white dots annulate with black: lower-wings cinereous at the base and brown at the tip.
Antennæ of the male setaceous at the tip.
Larva 2-tailed greenish with paler lines, head brown: pupa naked chestnut-brown.

- Begga.* Wings white with a black rib.
 Inhabits *Surinam*. *Cramer. 30. tab. 345, E.*
Body white: *antennæ* yellow: *legs* yellow tip with black.
- Obsoleta.* Wings yellowish with a darker spot in the middle and obsolete streak behind.
 Inhabits *South America*.
Antennæ simple: *body* yellowish: *lower-wings* yellowish with a brown hind-margin.
- Lepida.* Wings brown; upper-pair with a broad green base.
 Inhabits *Tranquebar*. *Cramer. tab. 130. fig. E.*
Head brown with a green crown: *thorax* hairy green: *upper-wings* with a costal black spot at the base: *lower-wings* yellowish: *fore-legs* very thick and blackish.
- Equestris.* Wings brown; upper-pair with a green band in the middle: lower-ones yellowish.
 Inhabits *India*; half the size of the last
- Grata.* Wings snowy, the rib at the base and hind-margin brown.
 Inhabits *Georgia in America*.
Upper-wings with an obsolete whitish streak in the brown margin, beneath yellowish edged with brown: *lower-wings* yellowish edged with brown, above immaculate, beneath with a brown spot in the middle.
- V. nigrum.* Wings white marked with a black v.
 Inhabits *Germany*. *Naturf. 2. tab. 1. fig. 1, 12. tab. 1. fig. 8, 9.*
 Rays of the *antennæ* ferruginous: *body* whitish: *legs* annulate with black: the v on the *upper-wings* has its legs pointing downwards.
Larva fasciculate with 8 dorsal tufts, the fore and hind-ones white, collar very hairy: *pupa* green with a black spot on the thorax.
- **Chrysolæva.* Wings snowy: tail bearded ferruginous.
 Inhabits *Europe*. *Denovan. 1. tab. 10. Merian Eur. tab. 20.*
Antennæ snowy, the rays ferruginous.
Larva gregarious hairy blackish with 2 red lines down the back, the sides fasciculate with white: *pupa* folliculate blackish: eggs covered with thick fulvous wool.
- Auriflua.* Wings white upper-pair with a brown rib beneath: tail bearded yellow.
 Inhabits *Germany*. *Roef. Inf. 1. Phal. 2. tab. 21.*
Wings with sometimes a few scattered black dots above.

Larva hairy black with red lines and lateral white dots, collar and tail with a protuberance: *pupa* folliculate chestnut-brown.

Bicolora. Wings white with a large yellow spot marked with black. Inhabits *Saxony*. *Naturf.* 12. tab. 2. fig. 10.
Body white immaculate: *antennæ* with a white shaft: *female* with a few black dots behind the yellow spot.

* *Salicis.* Wings white: legs black annulate with white. Inhabits *Europe*. *Donovan.* i. tab. 30. *Albin.* tab. 84. fig. a—d.
Merian Europ. 1. tab. 30. *Harris Inf.* 2. tab. 5. fig. k—p.
Antennæ pectinate brown: *eyes* black.
Larva hairy black with white spots down the back, on the sides of which are red dots: *pupa* folliculate hairy dark brown.

Cassinia. Wings grey with abbreviated scattered black lines. Inhabits *Austria*. *Wien. Verz.* 61. 1.
Thorax cinereous with a lateral black line: *wings* beneath whitish with a central brown spot.

Centroleia Wings clouded with cinereous and brown with a central white line edged with a black one. Inhabits *Austria*.
Antennæ ferruginous: *body* hairy: *thorax* grey: *abdomen* brown: *upper-wings* beneath grey with a brown disk: *lower-wings* above dusky, beneath whitish with a central brown spot.

Tessellaris. Yellowish; wings abbreviated with numerous tessellate deeper bands on the upper-pair: Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.

* *Cratægi.* Wings rounded dark cinereous with a darker band: tail bearded. Inhabits *Europe*. *Donovan.* iv. tab. 117. *Wien. Verz.* 58, 18.
Degeer Inf. 1. tab. 11. fig. 20, 21.
Larva hairy black with pale bands and 4 ferruginous tubercles: *pupa* folliculate ferruginous.

Eridanus. Body and wings snowy: abdomen with fulvous rings. Inhabits *Surinam*. *Cramer.* 6. 6. tab. 68. G.
Antennæ simple black.

Tibialis. Wings snowy; fore-shanks yellowish dotted with black. Inhabits *New Holland*. In the museum of Sir. *Jos. Banks*.
Antennæ simple brown: *fore thighs* brown on the back, the shanks yellowish with 4 black dots.

Nitidula.

- Nitidula.* Wings snowy; upper-pair with 2 costal shining glaucous spots and a marginal band of the same colour.
Inhabits *Coromandel*.
Body snowy immaculate: *antennæ* simple yellowish: margin of the *upper-wings* with blueish dots: *lower-wings* white tipped with brown.
- Innocua.* Wings white; upper-pair with 4 abbreviated black streaks, the hind-margin yellow.
Inhabits *South America*.
Body white: hind-margin of the *upper-wings* yellowish with a few obsolete black dots: *lower-wings* white hyaline with a brown hind-margin.
- Illibata.* Wings white; abdomen and fore-thighs red above.
Inhabits *American Islands*.
Antennæ pectinate black with a white shaft: *head* and *thorax* white: *abdomen* white, the back rufous with a line of black dots down the middle: all the *wings* white immaculate: *legs* white: *fore-thighs* rufous above.
- Repanda.* Wings pale with 3 white streaks and a pale ferruginous hind-margin.
Inhabits *South American Islands*.
Body pale: *antennæ* simple: *upper-wings* nearly angular in the middle of the hind-margin, between the first and second streak is a minute obsolete brown dot or two: *lower-wings* pale: all beneath pale with a streak of ferruginous dots.
- Exigua.* Wings yellowish with ferruginous bands.
Inhabits *South American Islands*.
Body yellowish: *upper-wings* with 3 ferruginous bands, the middle one larger and branching out at the exterior margin, the third obsolete: *lower-wings* pale with a brown hind-margin: *antennæ* simple testaceous.
- Plumigera.* Wings subferruginous with a yellowish streak: *antennæ* of the male pectinate.
Inhabits *Austria*. *Wien. Verz.* 61, 2.
Body hairy ferruginous: *upper-wings* sometimes ferruginous, sometimes mixed with yellow with a paler streak: *lower-wings* immaculate: *abdomen* yellowish: *antennæ* of the male with very long rays.
- Obsoleta.* Wings whitish with a ferruginous rib: feelers ferruginous.
Inhabits *New Holland*. In the museum of Sir. *Jos. Banks*.
Antennæ pectinate black with a whitish shaft: *thorax* hairy white: *abdomen* cinereous.

- Corones.** Upper-wings cinereous ; lower-ones snowy.
 Inhabits *New Holland*. In the museum of Sir. *Jos. Banks*.
Antennæ pectinate : *head* and *thorax* cinereous : *abdomen* snowy :
upper-wings with a red outer margin : lower-ones with a brown
 streak behind.
- Festiva.** Wings yellowish spotted with blue at the base and dotted
 with black at the tip.
 Inhabits *America*. In the museum of Dr. *Hunter*.
Antennæ simple black : *thorax* yellowish with 3 blueish lines :
upper-wings with 2 longitudinal spots at the base, in the middle
 a bifid blue band in which is a whitish streak, the tip with 3
 lines of brown dots : *lower-wings* brown.
- Dryas.** Wings brown : abdomen fulvous with black dots, tail
 black.
 Inhabits *Surinam*. *Cramer*. 6. tab. 70. C.
Lower-wings blue at the base : *abdomen* with 2 streaks of black-
 dots.
- Ramosa.** Wings yellow with black branched lines and marginal
 dots
 Inhabits *Italy*.
Antennæ pectinate black : *head* and *thorax* black, the latter
 with a large yellow spot each side : *abdomen* black, tail yellow :
lower-wings yellow, the hind-margin dotted with black.
- * **Rufful.** • Wings yellow with a red margin and brown spot : antennæ
 red
 Inhabits *Europe*. *Donovan*. vi. tab. 214. *Clerk*. tab. 4. f. 1.
Lower-wings white with a brown spot in the middle, the border
 brown edged with red.
Larva hairy dull ferruginous with a pale dorsal line, head copper-
 ry : *pupa* very thinly foliiculate dark brown.
- * **Jacobæ.** Wings brown with a red line and 2 dots ; lower-ones red
 edged with black.
 Inhabits *Europe*. *Donovan*. ii. tab. 45. *Albin*. t. 34. G. H.
Merian. *Europ*. 3. tab. 28. *Harris* *Ins*. 1. tab. 4.
Larva slightly hairy black with yellow rings : *pupa* thinly folli-
 culate testaceous.
 This should rather be placed in the division with the wings in-
 cumbent.
- * **Grammica** Wings yellow ; upper-ones deeper striate with black :
 lower-ones with a black terminal band.

Inhabits

Inhabits *Europe.* *Merian. Eur. 1. tab. 5.*

Larva brown with a white dorsal line, legs rufous : *pupa* naked ferruginous.

peunatula. Wings cinereous on the outer-part and chestnut-brown within, a paler stripe dividing the colours.

Inhabits *East India.*

Antennæ much pectinate grey : *head thorax* and back of the wings brownish : *lower-wings* white.

Lineola. Wings white ; upper-pair with a black line ; lower-ones with a black dot on the disk.

Inhabits *East India.*

Antennæ pectinate black : *head* and *thorax* hairy white : *upper-wings* red : *abdomen* covered with cinereous down, the back fulvous.

* *Purpurea.* Upper-wings yellow dotted with brown ; lower-ones red spotted with black.

Inhabits *Europe.* *Albin. tab. 22. Mer. Eur. 1. tab. 6.*

Larva hairy grey spotted with white : the male scatters a fragrance around it in the spring : *pupa* naked ferruginous.

* *Plantaginis.* Wings black with yellow rivulets ; lower-ones yellow with black margin and spots.

Inhabits *Europe.* *Donovan iv. tab. 134.*

The *male* is fulvous, the *female* scarlet.

Larva hairy black, ferruginous on the back : *pupa* black.

In *Russia* the lower wings are sometimes white with black margin and spots.

Vittata. Wings black with 3 abbreviated white fillets.

Inhabits *America.* In the museum of Dr. *Hunter.*

Antennæ hardly pectinate : *head* black with a white frontal dot : *thorax* white with 2 black dots before and 3 broad lines ; *lower-wings* black with a red spot at the base.

Lugubris. Wings yellow with black rivulets and dots : lower-ones brown.

Inhabits *Europe.* *Schæff. Icon. tab. 9. fig. 14. 15.*

Lower-wings with a thin white edge ; beneath all variegated.

Heliophila. Wings varied with brown and cinereous : lower-ones snowy edged with black.

Inhabits *Lapland.* *Astr. Hæft. Hist. Nat. 2 tab. 2. fig. 5.*

Body dull grey, the incisures of the abdomen snowy : *upper-wings* beneath dusky, the disk whitish with a small black dot : *lower-wings* beneath snowy with a black dot in the middle and margin.

Parthenias Upper-wings brown with greyish speckled bars ; lower-ones orange with a triangular black spot at the inner-margin and small line.

Inhabits *Europe*. *Donovan*. vii. *tab.* 246. *fig.* 1.

Antennæ pectinate : *body* black, beneath covered with cinereous down : margin of the *lower-wings* black. Beneath all orange spotted with black.

Larva naked green with red lines.

**Matronula* Upper-wings brown spotted with yellow : lower-ones yellow with black bands.

Inhabits *Europe*. *Roes. Inf.* 3. *tab.* 39. *fig.* 1. 2.

Thorax black with 2 red lines : *abdomen* red, the back spotted with black.

**Villica*. Wings black with 8 cream-colour spots ; lower-ones fulvous spotted with black.

Inhabits *Europe*. *Donovan*. ii. *tab.* 71. *Albin*. *tab.* 21.

Larva hairy blackish with fulvous spots, head and legs rufous : *pupa* folliculate black.

Hebi. Wings black with white bands ; lower-ones red spotted with black.

Inhabits *Europe*. *Frisch*. 7. *tab.* 5. *Roes* 4. t. 27. *fig.* 1. 2.

Abdomen red, the back and tail black : *wings* sometimes white with black bands.

Larva solitary hairy, the 3 anterior segments ferruginous : *pupa* black.

Tarquinus Wings cinereous with a black spot in the middle in which is a branched white line.

Inhabits *Surinam*. *Cramer*. 1. *tab.* 4. B, C.

Antennæ pectinate : head and *thorax* black : *abdomen* rufous : *upper-wings* with a few black specks : *lower-wings* rufous with a black spot in the middle and 2 darker bands.

Tarquinia. Upper-wings black with a hooked white line between 2 white streaks.

Inhabits *Surinam*. *Cramer*. 1. *tab.* 4. A.

Probably the female of the last. Head and *thorax* black : *abdomen*

men black with red rings : *upper-wings* black, the base grey with 2 white streaks and a hooked line between them : *lower-wings* red with an oblong black spot in the middle, the hind-margin pale.

"Caja. Upper-wings whitish with irregular blackish spots ; lower-ones orange spotted with black.

Inhabits *Europe.* *Donovan.* i. tab. 15. *Albin.* tab. 20. C. D.

Sepp. Inf. 4. tab. 2. *Wilks.* pap. 18. tab. 3. a 1.

Thorax brown with a red line before : *addomen* orange with black spots : *antennae* pectinate.

Larva solitary hairy brown with 3 raised whitish dots on each segment : *pupa* folliculate black.

Pudica. Wings white ; upper-pair spotted with brown ; lower-ones immaculate.

Inhabits *Southern France.* *Esp. Bomb.* 3. tab. 33. fig. 1.

Head and *thorax* brown, the latter with 2 connected white lunules before : *lower-wings* beneath with 2 brown spots.

Castæ. Wings black with 2 indented white bands ; lower-ones red with marginal brown spots.

Inhabits *Germany.* *Esp. Bomb.* 3. tab. 33. fig. 2.

Body black : *thorax* with a pale band before : *abdomen* with red dots at the base : *upper-wings* with a small white dot in the middle of the rib and a patch towards the tip.

Maculosa. Wings spotted with black ; upper-pair brown ; lower-ones red.

Inhabits *France.* *Knock.* *Beytr.* 3. tab. 5. fig. 2.

Thorax cinereous with 2 black lines : *abdomen* black with a lateral abbreviated red line.

Larva solitary hairy black with blue tubercles and a yellow lateral line.

Virgo. Wings black with reddish rivulets ; lower-ones red dotted with black.

Inhabits *America.* *Clerk.* *Icon.* tab. 42. fig. 5.

Adomen above red beneath black,

Phyllina. Wings black with reddish rivulets ; lower-ones red spotted with black, and a marginal black line.

Inhabits *America.* *Smith's Lepidopt.* Inf. of *Gorgia.*

- Placenticia.* Wings black with 3 white spots; lower-ones red with black spots and margin.
Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*
- Isabella.* Wings dotted with black; upper-pair fulvous, lower-ones rosy.
Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*
- Echo.* Wings snowy with black marginal nerves each side, the back spotted with yellow and black.
Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*
- Menece.* Wings black with white spots; lower-ones purple with a black central spot and margin.
Inhabits *America.* *Cramer. 6. tab. 70. D.*
Upper-wings brown with a large round white spot at the base of the thicker margin, a line divided into 3 spots towards the inner margin and an abbreviated transverse one towards the tip.
- Deflorata.* Wings white spotted with black; lower-ones beneath black with white bands.
Inhabits *America.* In the museum of Dr. Hunter.
Head white with a black front: *antennæ* black: *thorax* snowy with 2 black dorsal dots and 2 lesser-ones each side: *abdomen* beneath white with a line of black dots.
- Hyalina.* Wings hyaline cinereous: tail black bearded.
Inhabits *Italy*; middle-sized.
Antennæ a little pectinate brown: *body* cinereous.
- Albifrons.* Wings grey: upper-pair with a marginal angular snowy streak surrounded with black specks.
Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*
- Ministra.* Wings ferruginous; upper-pair with 5 transverse brown lines dot on the disk and margin.
Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*
- Gibbosa.* Wings testaceous; upper-pair with a double transverse yellowish streak and intermediate double white dot.
Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*
- Anguloja.* Wings grey; upper-pair with black flexuous lines and blotches, and a projecting tooth on the back.
Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

d. *Wings incumbent.*

- Crotalariae* Upper-wings purplish with ocellar black spots ; lower-ones red spotted with black.
 Inhabits *India*. *Cramer* 1. *tab* 5. C, D.
Antennæ black slightly pectinate : *thorax* grey with 6 black dots : *abdomen* red with dotted black lines : *upper-wings* with numerous black dots with yellow iris ; beneath yellowish with confluent brown spots and margin.
- Ricini*. Wings dusky with numerous subocellar brown spots ; lower-ones red spotted with black.
 Inhabits *India*, on the *Ricinus*.
Thorax brown with an ocellar spot each side : *abdomen* red with brown belts and 3 brown spots on the tail : spots on the *upper-wings* with brown pupil and cinereous iris.
- Sanguinolenta*. Wings snowy ; upper-pair with a sanguineous rib : lower-ones with black spots.
 Inhabits *India*. *Cram.* 12. *tab*. 133. D.
Head snowy *feelers* and *antennæ* brown with a red band behind : *abdomen* fulvous with black rings.
- Puella*. Wings brown ; thorax dotted with black ; tail and legs red.
 Inhabits *Guinea*.
Head grey with 2 black frontal dots : *feelers* ferruginous tipped with black : *thorax* grey-brown dotted with black : *body* pale, the sides ferruginous dotted with black : *lower-wings* whitish.
- Sorva*. Wings grey mixed with cinereous and brown : abdomen red above.
 Inhabits *East India*.
Antennæ pectinate : *head* and *thorax* grey : *abdomen* beneath and tail grey : *lower-wings* and all beneath dull cinereous.
- Hera*. Wings greenish-black with yellow rivulets ; lower-ones reddish with 3 black spots.
 Inhabits *Southern Europe*. *Boes. Inf.* 4. *tab*. 28 *fig*. 3.
Larva solitary hairy, black with fulvous spots a yellow dorsal line and lateral white one : *pupa* twice foliiculate black.
- Dominula* Wings glossy-black with white and reddish spots ; lower-ones dull red with black spots.

Inhabits *Europe*. *Donovan*. iv. tab. 141. *Mer. Eur.* 2. t. 38.

Thorax black with 2 red lines: *abdomen* red spotted with black, the tail black.

Larva hairy black with 3 yellow lines spotted with black: *pupa* brown inclosed in a common web,

Credula. Wings and body black dotted with white.

Inhabits *America*. *Cramer* 6. tab. 71. fig. 2.

Upper-wings with an oblong red spot with 2 black dots at the base.

Leatrix. Wings black with blue yellow and white spots; lower-ones red spotted with white.

Inhabits *China*. *Cramer*. 16. tab. 192. C.

Abdomen red with black bands.

**Furcula*. *Thorax* variegated; wings grey, the base and tip white dotted with black.

Inhabits *Europe*. *Donovan*. viii. tab. 272. *Sepp*. 4. tab. 6.

Larva solitary naked 2-tailed green: *pupa* folliculate ferruginous: eggs black.

Calex. Wings grey-brown with 2 black distant dots.

Inhabits *Germany*; size of the last.

Antennæ pectinate black: *thorax* hairy green: *breast* whitish; *wings* beneath dusky with a brown dot in the middle.

Populeti. Wings shining-grey with a streak of black dots behind.

Inhabits *Germany*, on the *Populus tremula*.

Antennæ pectinate: *body* grey: in the middle of the *wings* is a pale reniform spot.

**Antiqua*. *Upper-wings* dull ferruginous clouded with brown, a white lunule at the posterior angle; female nearly apterous.

Inhabits *Europe*. *Donovan*. i. tab. 16. *Mer. Eur.* tab. 84.

Female with the rudiments of wings at the end of the *thorax*.

Larva solitary fasciculate, 4 of the dorsal tufts white, those near the *antennæ* and tail dusky: *pupa* folliculate varied with black and yellow.

**Gonostigma*. Wings brown with 2 opposite white spots; female apterous.

Inhabits *Europe*. *Albin*. tab. 90. *Wilks* 31. fig. 3.c. 4.

Larva gregarious fasciculate, 8 of the dorsal tufts white, 2 on the

neck

neck and one on the tail black : *pupa* yellow before and black behind.

Paradoxa. Wings varied with cinereous and brown with a whitish central spot ; lower-ones black : female apterous.

Inhabits *Russia*, on the *Triticum repens*.

Male. *Antennae* pectinate with a white shaft. *Female* without even the rudiments of wings,

Zona. Wings black with white bands : abdomen black, the edges of the segments red ; female apterous.

Inhabits *Germany*.

Antennae pectinate black with a white shaft : *lower-wings* whitish with a black streak in the middle and hind-margin. *Female* apterous thick villous with the rudiments of 2 short cylindrical hairy black wings each side, edges of the segments red.

Pylotis. Wings yellow with 6 bands of black dots ; lower-ones dotted with black.

Inhabits *New Holland*. *Drury. Inf. 2. tab. 6, fig. 3.*

Lower-wings yellow with 10 black dots.

Pulchella. Wings white ; upper-pair dotted with black and red : lower-ones tipped with black.

Inhabits the *East*. *Cram. Inf. 10. tab. 109. fig. E, F.*

Larva hairy pale with a white dorsal line and black and rufous dots.

Grisea. Wings cinereous waved with brown ; lower-ones white.

Inhabits *Cayenne*.

Body hairy cinereous : *antennae* slightly pectinate : tip of the *upper wings* brownish with a waved cinereous streak

Priverna. Upper-wings brown with a yellow band ; lower-ones fulvous edged with black.

Inhabits *Surinam*. *Cram. 14. tab. 166. E.*

Thorax yellow : *abdomen* fulvous : *upper-wings* with fulvous streaks at the base.

Francisca. Upper-wings flesh-colour with an interrupted white fillet ; lower-ones hyaline.

Inhabits *Coromandel*.

Head black with a flesh-colour crown : *thorax* flesh-colour with

a black dorsal fillet : *upper-wings* with a few black dots : *abdomen* beneath brown, above red with black dorsal spots.

- Jesuita.* Wings black with a fulvous streak.
Inhabits *India*.
Antennae pectinate setaceous at the tip : *body* black : exterior margin of the *lower-wings* fulvous at the base.
- Angulata.* Wings angular testaceous with black specks and 2 obsolete cinereous streaks.
Inhabits *India*.
Body testaceous : *breast* white : *lower-wings* brown with a whitish base.
- Viciella.* Wings cinereous hyaline : antennæ brown.
Inhabits *Austria*. *Reaum. Inf.* 3. tab. 11. fig. 7. 8.
Body covered with cinereous wool : *antennae* pectinate brown.
The *Female* deposits her eggs while in the pupa state and never becomes a perfect insect.
- Vesita.* Wings black immaculate : abdomen beneath downy white.
Inhabits *Germany*. *Wien. Verz.* 133. 6.
Antennae pectinate : *thorax* covered with cinereous down : *abdomen* above black : *larva* grey dotted with black, and constructs a cylindrical follicle of dry grass which it affixes to leaves by a thread.
- Muscella.* Wings dull hyaline : body black.
Inhabits *Austria*. *Wien. Verz.* 133. 3.
Body hairy black : *antennae* brown.
- Bombella.* Wings cinereous speckled with brown.
Inhabits *Austria*. *Wien. Verz.* 133. 5.
Body hairy grey : *lower-wings* immaculate.
- Pectinella.* Wings cinereous hyaline ; upper-pair with obsolete darker streaks.
Inhabits *Austria* : small.
Body hairy black : *lower-wings* immaculate.
- Munda.* Wings cinereous hyaline with a brown dot and band.
Inhabits *Europe*, on Lichens. *Holl. Inf.* tab. 4. fig. 2.
Larva hairy chestnut-brown.

Indiana. Wings hyaline with a yellow border dotted with black.
Inhabits *India. Bomb. derasa Fabric. n. 237.*
Head and thorax yellowish : lower-wings immaculate.

Annulata. Wings black with snowy spots ; flanks annulate with white.
Inhabits *Germany.*
Head and thorax black varied with white : abdomen grey : wings beneath brown, the edges dotted with white.

**Graminis* Wings grey with a trifarious whitish line and dot.
Inhabits *Europe. Harris Aurel tab. 5. fig 7.*
The other sex has a streak of black dots behind.
Larva smooth dusky with a dorsal and lateral yellow stripe.

Popularis. Wings brown with white veins ; lower-ones whitish.
Inhabits *Russia and Germany.*
Antennæ pectinate brown : upper-wings with a few spots in the middle with a darker pupil, towards the tip a streak of arrow-shaped small black dots : lower-wings whitish with a darker margin and a central brown spot beneath.

Fulminea. Wings indented variegated with grey and brown : thorax white on the fore-part with a black streak.
Inhabits *Germany, on the Achillæa Millefolium.*
Antennæ pectinate ferruginous : thorax with a white lunule each side : lower-wings and all beneath grey.
Larva greenish with a darker back on which is a longitudinal white line.

Gloriosa. Wings black variegated with red and yellow ; lower-ones brown edged with yellow.
Inhabits *India, on the Gloriosa.*
Head black with a yellow dot each side : thorax black with 4 fulvous dots behind : abdomen black, tail yellow : legs black spotted with yellow : all the wings beneath black edged with yellow

Crini. Wings black, subferruginous before the margin ; lower-ones white.
Inhabits *India, on the Crinum asiaticum.*
Head and thorax hairy black : abdomen cinereous : upper-wings glossy-black with a reniform ferruginous stigma in the middle, the margin brown with a waved black streak.

**Rosa.* Wings rosy with 3 brown streaks, the second waved, the third at the tip composed of dots.

Inhabits

Inhabits *Europe*. *Donovan* ii. tab. 40. the lower figure.

Harris Aurelian tal. 30. fig. p.

Abdomen above rosy with brown rings, beneath black,

Larva short very hairy, with grey tufts, head orange: *pupa* inclosed in a thick follicle.

• *Rubricollis* Black with a red collar: abdomen yellow.

Inhabits *Europe*. *Clerk* Icon. tab. 2. fig. 3.

Larva hairy blackish with black bands, head piceous with a white triangle.

• *Fuliginosa* Wings red brown with a double black dot: abdomen red, black on the back.

Inhabits *Europe*. *Donovan*. iii. tab. 80. *Ammir.* tab. 30.

Harris Inf. tab. 8. fig. 7. *Wilk.* pap. tab. 3. a. 14.

Larva hairy ferruginous with black head and fore-legs; wanders over the snow in winter and is said to foretell a cold summer and scarcity where it appears in considerable numbers: *pupa* folliculate black.

Binotata? Wings cinereous with 2 black dots between 2 brown waved streaks.

Inhabits *Sweden*; middle-sized.

Head and thorax hairy cinereous: lower-wings cinereous.

Cribrum. Upper-wings white transversely dotted with black: tail yellowish.

Inhabits *Northern Europe*. *Hybn.* Beytr. 1. tab. 4. fig. w.

Obscura. Both surfaces of the wings alike, brown with 3 hyaline dots on the upper pair: abdomen yellow with a black line.

Inhabits *Germany*, on the Lichen *parietinus*.

Lower wings sometimes brown immaculate, sometimes yellow with a brown margin and curve.

Larva hairy black with yellow lines, hind-legs yellow.

Punctata. Both surfaces of the wings alike: upper-pair brown dotted with white; lower-ones yellow tipt with brown.

Inhabits *Italy*; much less than the last.

Body brown: abdomen yellow with a line of black dots down the back: lower-wings with a broad brown margin.

c. *Wings convolute.*

Bella.

Wings yellow with 6 bands of black dots; lower-ones red tipt with black.

Inhabits

Inhabits *North America*. *Cramer*. 10. *tab.* 109. C, D.
Catesby's Carolina Vol. 2. p. 96. *tab.* 96.

Ornatix. Wings whitish, the margin red dotted with black, lower-ones varied with white and black.

Inhabits *America*. *Cramer*. 14. *tab.* 165. C, D, E.

Umber. Wings black; front and abdomen fulvous.

Inhabits *Surinam*. *Cram.* 2. *tab.* 15. F.

Antennæ pectinate: lower-wings paler at the base.

Hifrio. Wings fulvous with numerous white spots surrounded with blue.

Inhabits *South American Islands*.

Feelers white at the base and tip with black: *thorax* blue-black with white dots and 2 fulvous spots: *abdomen* beneath white annulate with black, tail fulvous: *upper-wings* blue at the tip with white dots: *lower-wings* and all beneath black, the hind-margin a little whitish.

Geometra. Phalæna, Fabricius.

a. *Antennæ pectinate.*

* *Lactearia* Wings angular snowy immaculate: antennæ bipectinate setaceous at the tip.

Inhabits *Europe*; very tender and nearly pellucid.

* *Nivearia*. Wings subangular white with a brown hind-margin; under-surfaces of the upper-pair brown; lower-ones with a central black dot.

Inhabits *England*; small tender.

Body white: *eyes* black: *antennæ* brown: all the wings with a brown central dot beneath.

* *Vernaria*. Wings angular greenish with 2 white flexuous streaks: antennæ setaceous at the tip.

Inhabits *Europe*. *Reaum. Inf* 2. *tab.* 29. *fig.* 14—19.

Margin of the wings dotted with brown.

Larva ferruginous varied with white and black, head toothed.

Eupleuraria Wings indented green with a white streak and contiguous smaller one, the margin dotted with brown.

Inhabits *Austria*. *Hybn. Beytr.* 4. *tab.* 3. *fig.* R.

Upper-wings with 2 white streaks, lower-ones with one.

Thymiaria. Wings angular indented green with an undulate obsolete white streak and contiguous smaller one.

Inhabits

Inhabits *Germany*. *Schæff. Icon. tab. 202. fig. 1.*

Indentations of the *wings* ferruginous.

Larva dusky with flesh-colour dorsal spots, head and collar 2-toothed: *pupa* thinly foliulate, ferruginous with a black line, pointed before and bifid behind.

Triftriaria. Wings angular cinereous with 3 brown streaks on the upper-pair and 2 on the lower, all with a brown dot in the middle.

Inhabits *Italy*. *Body* cinereous.

Immaculata. Wings angular; above green, beneath whitish immaculate.

Inhabits *Tranquebar*

Antennæ pectinate setaceous at the tip: *body* greenish, crown brown: *wings* beneath whitish.

* ***Putatoria*** Wings angular whitish with 2 full white flexuous streaks: *antennæ* setaceous at the tip.

Inhabits *Europe*. *Clerk Icon. tab. 3. fig. 9.*

Striataria. Wings angular whitish with 2 obsolete yellowish streaks.

Inhabits *Europe*. *Clerk Icon. tab. 55. fig. 4.*

Lower-wings with only one yellowish streak.

Margaritaria. Wings angular whitish with a deeper band terminating in a white streak.

Inhabits *Germany*, on the *Carpinus* and *Betula*.

Larva elongated 12-footed variegated, the last segments with 2 white dots, tail bifid.

* ***Punctaria*** Wings angular cinereous with a ferruginous streak and row of black dots.

Inhabits *Europe*. *Clerk. Icon. tab. 5. fig. 11.*

Larva cinereous with lateral yellow spots and marked with red: *pupa* bound to a leaf, above pale flesh-colour, beneath yellowish.

Dioraria. Wings angular brown with purple streaks, pale at the tip.

Inhabits *Surinam*. *Gram. 7. tab. 75. F.*

* ***Amalaria*** Wings angular buff-colour speckled with brown; with a straight purple line and obsolete flexuous brown one on each.

Inhabits *Europe*. *Donovan. i. tab. 33. fig. 2.*

Margin of all the *wings* red.

Larva green with yellow belts above and red ones beneath.

- * *Pennaria*. Wings slightly indented reddish with 2 brown streaks and a white dot at the tip.

Inhabits *Europe*. *Donovan*. viii. *tab.* 287. *fig.* 2.

Lower-wings reddish with a brown dot in the middle.

Larva solitary smooth reddish.

- * *Ufularia*. Wings slightly indented ochraceous with 3 brown streaks and spot at the base and tip.

Inhabits *Europe*. *Donovan*. iii. *tab.* 82.

Larva smooth yellowish with darker lateral line, head black: *pupa* black.

- * *Bidentaria*. Wings jagged grey with a deeper band, in the middle of which is an ocellar dot.

Inhabits *Europe*. *Clerk*. *Icon*. *tab.* 7. *fig.* 2.

Band on all the *wings* terminating in a white streak, the eye white with a black iris; beneath an ocellar dot in the middle and flexuous black streak behind.

- * *Falcata-ria*. Wings falcate glaucous; upper-pair with a grey band and waves, in the band a brown dot.

Inhabits *Europe*. *Schæff*. *Icon*. *tab.* 64. *fig.* 1, 2.

Larva greenish on the back dotted with brown and 4 pair of prickles before, tail pointed; beneath green with a lateral red line.

- Cultraria*. Wings subfalcate yellow with a deeper band: antennæ fetaceous at the tip.

Inhabits *Germany*. *Wien*. *Verz.* 64, 1.

All the *wings* beneath sulphur immaculate.

- Strigaria*. Wings angular tailed white with 2 brown streaks above and one beneath.

Inhabits *India*. *Cram*. 12. *tab.* 135, C.

Antennæ short: *wing tails* short obtuse with 2 black spots: all the *wings* beneath white with a blackish streak.

- * *Sambucaria*. Wings tailed angular yellowish with 2 darker streaks; lower-ones with 2 reddish dots at the tip

Inhabits *Europe*. *Donovan*. v. *tab.* 170. *Albin*. *tab.* 64.

Larva a little knotty dull ochre with brown lines: *pupa* fusiform dull ochre dotted with brown.

- * *Lacertinaria*. Wings toothed yellowish with 2 brown lines and a dot between them; lower-ones whitish immaculate.

Inhabits *Europe*. *Donovan*. vii. *tab.* 251. *fig.* 2. *Albin*. *tab.* 65.

Larva naked red, the back angular and tail pointed: *pupa* foliiculate conic dull ferruginous with black specks.

Crasaria. Wings toothed yellowish with 2 incurved brown streaks.
Inhabits *Germany*. *Wien Verz.* 103, 4.
Lower-wings with a single streak: all beneath yellowish with a broad dot in the middle.

Emarginaria. Wings slightly emarginate testaceous with a white streak behind separating the paler border.
Inhabits *Kiel*. *Body* yellowish.
Tip of the *upper-wings* emarginate with a large chestnut spot on which are 2 small black dots: *lower-wings* with 2 small black dots at the angle of the tail.

Equestraria Wings angular; upper-pair brownish with a broad yellow band; lower-ones yellow.
Inhabits *Hamburg*.
Body hairy yellow: *upper-wings* beneath yellowish with a black dot in the middle, the tip dusky, the margin variegated with yellow: *lower-wings* beneath dusky with a black dot in the middle and pale base.

* *Alniaria.* Wings angular toothed yellow speckled with brown and crossed with 2 brown specks.
Inhabits *Europe*. *Donovan*, viii. tab. 275. *Roef*: ph. 3. tab. 1.
Larva brown dotted with yellow, 3 remote protuberances on the back and 4 approximate ones on the tail: *pupa* greenish pointed before.

* *Syringaria.* Wings angular indented grey with flesh-colour shades and 2 brown streaks on the upper-pair meeting at the tip.
Inhabits *Europe*. *Donovan*, vi. tab. 181.
Upper-wings with 2 white marks at the tip: *lower-ones* with a single brown line.
Larva varied with yellow and grey with 6 spines on the back, the hind-one very long and recurved: *pupa* folliculate abrupt grey before and chestnut behind.

Clemataria Wings slightly reversed, all yellowish-grey with a black dot on the disk and a common yellowish streak hooked at the tip.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.

Liriodendraria. Wings indented speckled with brown with about 3 common flexuous diffracted white streaks.
Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.

- Quernaria.* Wings slightly indented variegated with white and brown, all with a flexuous black streak and dot; upper-pair with 2 white dots at the tip.
Inhabits *America.* *Smith's Lepidopt. Inj. of Georgia.*
- * *Lunaria.* Wings jagged reddish-brown; all with a white ocellate dot; upper-pair with an incurved brown streak.
Inhabits *Europe.* *Donovan. iv. tab. 132. Sepp. v. tab. 2.*
Larva grey with 2 dorsal tubercles, beneath with whitish bands, dotted with black: *pupa* folliculate dark brown.
- * *Dentaria.* Wings angular indented, above pale with ferruginous streaks, beneath ferruginous with a darker lunule.
Inhabits *England.* In the collection of Mr. *Monson.*
Wings with 3 ferruginous streaks and margin, the outer margin speckled with ferruginous.
- Roboraria.* Wings indented grey with numerous brown streaks and specks.
Inhabits *Austria*, on the Oak. *Wien. Verz. 101, 1.*
Wings beneath whitish with brown lunules.
Larva grey-brown with a darker dorsal line and curves on the segments.
- Confortaria.* Wings indented grey with brown streaks; lower-ones with an oblong whitish ocellar dot.
Inhabits *Austria.*
Dot on the lower-wings surrounded with a brown ring: all beneath grey with a brown dot in the middle and brown streaks,
- Endaria.* Wings indented white with brown waves: antennæ setaceous at the tip.
Inhabits *India.* *Antennæ* as long as the body.
- Horsaria.* Wings indented varied with brown and cinereous with a black streak: antennæ setaceous at the tip.
Inhabits *Italy.*
Wings beneath yellowish with a brown streak and dot in the middle.
- * *Dalabra-ria.* Wings angular yellow with ferruginous streaks; angle of the tail violet.
Inhabits *England* and *Germany.* *Sulz. Inf. tab. 22. fig. 9.*
- Ulyraria.* Wings angular green with 3 brown streaks on the upper-pair.

Inhabits *Surinam*. *Cram.* 1. *tab.* 10. E.

Margin of the *wings* brownish; beneath ferruginous: tail bearded rufous.

Monilaria. Wings indented green with a streak of black dots; lower-ones with a double white dot.

Inhabits *India*. In the museum of Dr. *Fothergill*.

All the *wings* beneath lead-colour: *antennae* of the female nearly setaceous.

Fervidaria. Wings rounded white; the margin brown with a waved white streak.

Inhabits *Africa*. In the museum of Sir. *Jos. Banks*.

Body yellowish: *thorax* white behind: rib of the *upper-wings* black spotted with white: beneath all white edged with brown.

Rondelaria. Upper-wings grey; lower-ones ferruginous.

Inhabits *East India*; small.

Antennae setaceous at the tip: *upper-wings* darker at the base with 2 costal ferruginous spots: all beneath ferruginous.

Vibicaria. Wings rounded yellowish with 3 purple streaks the anterior of which is obsolete.

Inhabits Woods of *Europe*. *Wien. Verz.* 117, 2.

* *Suberaria*. Wings yellowish deeply indented, upper-pair with a brown ferruginous patch and 2 black streaks; lower-ones with a brown ferruginous band and single streak.

Inhabits *England*. *Donovan's Eng. Inf.* vii. *tab.* 251. *fig.* 1.

Upper-wings with a short flexuous streak near the tip: *lower-ones* with numerous crowded blackish lines.

Flavaria. Wings rounded yellowish with 2 flexuous brown streaks.

Inhabits *East India*.

Body yellow: *front* fulvous: behind the streaks on the wings are 2 small brown dots.

* *Papilionaria*. Wings indented green with a flexuous white streak and contiguous smaller one.

Inhabits *Europe*. *Donovan's* viii. *tab.* 287. *fig.* 1.

Natursf. 12. *tab.* 1. *fig.* 12, 13, 14.

Upper-wings with a white spot or two between the bands and the base: *Lower-ones* with a row of white dots near the margin.

Larva green with 10 incurved rufous prickles on the back: *pupa* green varied with yellow.

- Helcitaria.* Wings fulvous, the tip black with a macular white band.
 Inhabits *India.* *Clerk. Icon. tab. 39. fig. 4.*
Antennæ of the male pectinate, of the female setaceous: *body*
 above black with 3 rows of white spots, beneath fulvous.
- Catenaria.* Wings rounded white with a black lunule in the middle
 and waved streak behind.
 Inhabits *India.* *Drury Ins. 1. tab. 8. fig. 3.*
Front fulvous: between the *wings* a fulvous dot: *wings* some-
 times dotted with black only.
- Flabellaria* Wings rounded white; upper-pair darker at the tip.
 Inhabits *Africa.* In the museum of Sir *Jos. Banks.*
Body whitish: *antennæ* much pectinate brown: *lower-wings*
 immaculate.
- * *Prunaria* Wings slightly indented yellow-orange speckled with brown:
 upper-pair with a brown lunule.
 Inhabits *Europe.* *Donovan. 1. tab. 27. Albin. tab. 69.*
Wings sometimes with a large brown cinereous spot.
Larva ferruginous, with 2 spines before and behind.
- Furcaria.* Wings grey-clouded, all beneath with a black spot in which
 is a small white lunule.
 Inhabits *Germany.*
 All the *wings* grey speckled with brown.
- * *Piniaria.* Wings brown spotted with yellow, beneath clouded with 2
 brown bands.
 Inhabits *Europe.* *Anmir. tab. 20. Sepp. 6. tab. 4. fig. 11.*
Larva green with a white streak, beneath streaked with yellow:
pupa folliculate chefnut-brown.
- * *Limbaria.* Wings ferruginous with a black border; lower-ones beneath
 black streaked with white.
 Inhabits *England.* *Harris Ins. tab. 5. fig. 4.*
Body brown-ash: *upper wings* beneath ferruginous speckled with
 brown: *lower-wings* above ferruginous with brown specks and
 hind-margin.
- Sulphuraria* Wings rounded yellow with 2 brown streaks; beneath with
 brown specks ocellar dot in the middle and band.
 Inhabits *Barbary.*
Antennæ with a white shaft, the rays brown: *body* yellow, the
 front a little fulvous: *lower-wings* with a single streak.

- Albidaria.* Wings rounded white; upper-pair with a black rib and tip: lower-ones with a black marginal spot.
Inhabits *Africa*. In the museum of *Sir Jos. Banks*.
Antennæ fetaceous at the tip: *head* white with a yellow collar: *thorax* whitish, the fore-part black: *abdomen* white at the base and tip with brown.
- Conspersaria.* Wings rounded cinereous with numerous brown specks.
Inhabits *Austria*. *Wien. Verz.* 106. 8.
Wings sometimes with a subocellar brown dot in the middle.
Larva tailed whitish with rufous streaks, tail 2-toothed.
- Roraria.* Wings cinereous speckled with brown; upper-pair with a black dot in the middle and tip.
Inhabits *Austria*, on the *Lotus Dorycnius*.
Upper-wings with a broad brown border.
Larva cinereous with white segments, head pale with 2 brown streaks.
- Melanaria.* Wings spotted and dotted with black; upper-pair whitish, lower-ones yellow.
Inhabits *Europe*. *Clerk. phal.* 4. tab. 2.
- Lutearia.* All the wings pale yellow immaculate.
Inhabits *Italy*. *Antennæ* black.
- Testaria.* Wings brown testaceous; lower-ones ferruginous.
Inhabits *Barbary*.
Head and *thorax* brown; *abdomen* testaceous, beneath black; all the *wings* beneath ferruginous.
- Adpersaria.* All the wings yellow speckled with brown.
Inhabits *Saxony*.
- Angularia.* Wings white speckled with brown and barred with black.
Inhabits *Germany*.
Body pale; hind-margin of the *upper-wings* dotted with black; *lower-wings* whitish a little speckled with brown.
- * *Atomaria.* All the wings yellowish with brown streaks and specks.
Inhabits *Europe*. *Albin. fig.* 69. *Donovan. vii. t.* 248. *f.* 1. 2
Wings of the *female* grey with brown streaks and specks.
Larva flesh-colour with a brown dorsal line and lateral spots:
pupa pale ferruginous.
- * *Prospia-
ria.* Wings yellowish with brown specks and 3 brown streaks
the last of which is composed of spots.
Inhabits

Inhabits *Europe*. *Clerk. Icon. tab. 3. fig. 1.*

The anterior streak on the *wings* is broader than the rest, the middle one bifid at the thicker margin; margin of all the *wings* dotted: *lower-wings* beneath yellow with a central brown spot.

Bipunctaria. Upper-wings cinereous with brown waves and a darker band in the middle in which are 2 black dots.

Inhabits *Austria*, on the *Lolium perenne*.

Antennae setaceous at the tip: *upper-wings* with a streak of black dots behind: *lower-ones* cinereous.

Lichenaria. Wings varied with green and cinereous with 2 black streaks, the first recurved, the posterior one flexuous.

Inhabits *Austria*. *Wien. Verz. 100. 8.*

Margin of the *upper-wings* dotted with black: *lower-wings* grey with a waved brown streak and marginal dots.

Larva rough green or cinereous varied with yellow, the sides spotted with black, fore-legs with a black spot in which is a green dot.

Cineraria. Upper-wings grey with 2 black streaks; lower-ones cinereous with a single streak.

Inhabits *Austria*. *Wien. Verz. 100. 10.*

Small, tender: margin of the *wings* dotted with black.

Larva brown, the back cinereous with transverse white spots.

**Pusaria*. Wings snowy with 3 obsolete brown streaks.

Inhabits *Europe*. *Clerk. Icon. tab. 3. fig. 1.*

Larva yellowish with red dorsal lines and spots.

Ocularia. Wings rounded yellow, all with a central white eye.

Inhabits *India*.

Eye on the *wings* annulate with brown: *wings* beneath speckled with brown.

Luscaria. Wings cinereous; upper-pair with brown patches; lower-ones with an ocellar dot in the middle.

Inhabits *East India*.

Antennae setaceous at the tip: *upper-wings* with an indistinct spot in the middle, beneath darker and the spot more distinct: *lower-wings* with a brown eye, the pupil white, beneath speckled with brown with a brown band in the middle in which is the eye.

- Annularia.* Wings cinereous with a brown streak ring and bands.
 Inhabits *Germany.* *Naturf.* 11. tab. 12.
Antennæ fetaceous at the tip : all the *wings* with a flexuous streak at the base, ring in the middle and 2 bands behind, the anterior of which is indented and broader; behind the bands is a terminal row of black dots. Beneath all whitish immaculate.
- Capreolaria* Wings grey with a deeper band, a black dot in the middle and line at the tip.
 Inhabits *Austria*, on the *Pinus Picea.* *Wien. Verz.* 105. 2.
Upper-wings grey speckled with brown, in the middle a broad band in which is a black dot : *lower-wings* cinereous with brown streaks and specks. Beneath all cinereous with a black upper-pair and a streak of them on the lower.
- Proximaria.* Wings cinereous; all with 3 brown streaks.
 Inhabits *Keil.* *Body* cinereous.
- Murinaria.* Wings grey with 2 brown streaks and a dot in the middle.
 Inhabits *Austria.* *Wien. Verz.* 105. 4.
Body grey : *lower-wings* with a brown dot in the middle and streak behind; all beneath grey immaculate.
- **Defoliaria* Wings grey speckled with brown, white in the middle with a brown dot : female apterous dotted with black.
 Inhabits *Europe.* *Clerk. Phal. tab.* 7. fig. 4.
Larva ferruginous with a sulphur line down the sides : *pupa* chestnut-brown.
- Hirsutaria* Wings cinereous with a waved brown streak connected to a white one.
 Inhabits *Europe.*
Upper-wings with an obsolete brown streak in the middle and another indented one near the tip and an adjoining white one, the hind-margin dotted with black : *lower-wings* and all beneath whiter with a central brown dot.
- Pedaria.* Wings greenish-grey speckled with brown : legs annulate with white : female apterous.
 Inhabits *Germany*, on the *Betula Alnus.*
- Hispidaria.* Wings brown-ash with a darker waved streak, the margin dotted with white : *antennæ* yellow.

Inhabits *Austria. Wien. Verz.* 99. 4.
Body hairy grey-brown : resembles the next.

**Hirtaria.* Wings hairy grey with 3 black streaks, the hinder-ones approximate : antennæ black.

Inhabits *Europe. Clerk. Icon. tab.* 7. fig. 1.
Larva ferruginous with pale rufous lines edged with black.

Horridaria. Wings glossy-black with darker streaks.

Inhabits *Austria. Wien. Verz.* 100. 7.
Body black immaculate.

**Vespertaria.* Wings yellowish with 2 brown streaks, the first angular the posterior one separating the darker border.

Inhabits *Europe. Donovan. vii. tab.* 233. fig. 3.
All the wings speckled with brown.

**Wauria.* Wings cinereous ; upper-pair with 4 short irregular bands, the middle one resembling the letter L.

Inhabits *Europe. Donovan. vi. tab.* 196. *Albin. t.* 47. fig. 78.
Merian Eucote 1. tab. 25. fig. 151. *Wilkes tab.* 2. a. 1.

Larva filthy hairy green dotted with black with a yellow dorsal and lateral line : *pupa* naked ferruginous pointed.

Pictaria. Wings varied with cinereous and brown with 2 black streaks, the lower-one waved.

Inhabits *Et L.* tender.
Wings with a mixture of green ; beneath pale speckled with green with a green dot and streak behind.

Albaria. Wings snowy immaculate ; upper-pair beneath brownish.
Inhabits *Austria. Hybn. Beitr.* 3. tab. fig. 3. R.

Cectaria. Wings whitish, all of them immaculate.

Inhabits *Italy.*
Antennæ brown with a white shaft.

Phaeoaria. Wings cinereous speckled with brown ; upper-pair with 2 brown streaks, lower-ones with one.

Inhabits *Saxony.*
Antennæ beneath with a white shaft : *body* cinereous : *upper-wing* beneath with an oblong brown spot on the disk.

Prasinaria. Wings green with 3 streaks, the fore-ones darker, the hind-one pale.

Inhabits *Germany*. *Wien. Verz.* 97. 2.

Larva green with a lateral white line, head neck and tail 2-toothed.

Smaragda-ria. Wings green ; upper-pair with 2 white streaks and dot in the middle.

Inhabits *Austria*.

Upper-wings with 2 connected lunules near the base : *lower-wings* immaculate : beneath all greenish with a pale streak.

• *Ditaria.* Wings green with ferruginous marginal spots.

Inhabits *Europe*. *Donov.* vi. tab 202. fig. 2.

Antennæ cinereous with a white shaft : *upper-wings* green with obsolete white streaks and a large ferruginous spot at the tip of the thinner margin : *lower-wings* rounded green the margin whitish with a fine black streak, a large ferruginous spot at the tail and another at the tip of the outer margin : beneath all pale.

• *Viridaria* Wings rounded green with whitish streaks and marginal black dot.

Inhabits *England*. In the museum of Sir. *Jos. Banks*

Upper-wings with a white streak at the base ending in a black dot at the thicker margin, in the middle are 2 white waved streaks ending in larger black dots at the thicker edge and meeting at the thinner margin with a small black dot at the end, behind is a streak of obsolete white dots, a few minute black ones at the thicker margin and a larger one at the tip, the hind margin cinereous and brown : *lower-wings* and all beneath cinereous with brown streaks.

Feltivaria Wings rounded pale grey ; upper-pair with 2 green spots, lower-ones with one.

Inhabits—*Antennæ* setaceous at the tip.

The green spots on the *upper-wings* edged with white. Beneath reddish.

Pagaria. Wings rounded blue-black with a macular white band at the tip.

Inhabits *China*. *Cramer.* 27, tab. 332. C.

Body brown with a blue gloss.

Tripunctaria. Wings brown ; upper-pair with white streaks at the base and a macular band ; lower-ones white at the base.

Inhabits

Inhabits *Asia*. *Cramer* 2, tab. 22. fig. E.
The band on the wings incompesed of 5 white spots.

Corvaria. Wings striate, both surfaces alike, black tipt with white.
Inhabits *South America*:
Body black; breast and thorax with ferruginous hairs.

Carbonaria Wings rounded brown subfasciate with yellow; antennæ
fetaceous at the tip.
Inhabits *Austria*. *Wien. Verz.* 100. 5.
Head and thorax black: all the wings with waved darker streaks
and yellow ones which are terminated at the thinner margin in
a large yellow spot.
Larva black with numerous hairy fulvous protuberances.

Iatropba- Both surfaces of the wings alike, black with 2 yellow spots
ria. on the upper-pair and one on the lower.
Inhabits *America*. *Merian. Surin. tab.* 38. fig. 1.

Luſtinaria. Wings black; upper-pair with a macular white band; low-
er-ones with a white dot in the middle.
Inhabits *East India*. *Cramer* 11. tab. 128. fig. E.

Gatilinaria Both surfaces of the wings alike, black with 2 greenish
bands and a macular white streak
Inhabits *Surinam*. *Cramer.* 7. tab. 72. E, F.
Thorax dotted with white.

Cenaria. Both surfaces of the wings alike, white varied with black:
body yellow spotted with black.
Inhabits *China*. *Cramer.* 13. tab. 147. E.
Upper-wings white at the base spotted with black, the tip black
with 5 white dots: lower-wings white with 3 black submar-
ginal spots: thorax yellow dotted with black: abdomen with
6 black belts and 3 black dots at the tip.

Costaria. Wings brown; upper-pair with a flesh-colour band bifid at
the tip; lower-ones dotted with white.
Inhabits—In the *British Museum*.
Thorax black with a marginal yellow band before: abdomen brown
tail yellow: rib of the upper-wings yellowish at the base. Be-
neath black with white spots at the base.

Lateraria. Wings brown-ferruginous with brown streaks and a cine re-
ous spot on the rib.
Inhabits *India*,

Antennæ white: *body* brown: *upper-wings* with a brown dot in the middle: beneath all lead-colour with a darker hind-margin.

Fenestraria Wings rounded black streaked and spotted with blue.

Inhabits *China*. In the museum of Sir. *Jos. Banks*.

Head and *thorax* black dotted with white: *abdomen* above brown beneath whitish.

Venaria. Wings yellow with black margin and dilated branched veins.

Inhabits *India*. *Cramer*. 3. *tab.* 29. A.

Antennæ blue with black rays: *head* blue, the hind-margin white *thorax* brown with blue and white spots.

Mæniaria. Upper-wings cinereous with a broad brown band in which are 2 approximate black dots.

Inhabits *Austria*. *Wien Verz* 112. 1.

Body and *lower wings* cinereous: *upper-wings* with a broad band 1-toothed behind and margined each side: in the middle a paler band in which are 2 dots, the tip ending in a brown line.

Obliquaria Wings black; upper-pair with an oblique white band; lower-ones with a broad yellow band

Inhabits *Siam*. In the museum of Sir *Jos. Banks*.

Antennæ black with a blue shaft: *body* black, spotted with blue beneath, the segments edged with white: *wings* beneath spotted with blue.

**Pulveraria*. All the wings powdered with testaceous with a broad ferruginous band.

Inhabits *Europe*. *Clerk. Icon. tab.* 5. *fig.* 6.

**Fasciaria*. All the wings reddish with a broad ferruginous band edged with white.

Inhabits *Europ.* *Clerk. Icon. tab.* 5 *fig.* 5.

Larva 12-toothed rufous variegated with brown and white, head reddish.

**Diversaria*. Upper-wings reddish, lower-ones whitish; the margin of all dotted with black.

Inhabits *England*. In the Collection of Mr. *Francillon*.

Head and *thorax* dusky: *abdomen* cinereous: under-surfaces of the *wings* uniform, the lower-ones with a black dot in the middle.

Margivaria.

Marginaria Wings whitish powdered, all with a marginal streak of black dots.

Inhabits *Hamburg*.

There are 2 varieties of this species. In one the *upper-wings* are whiter with 3 brown streaks: *lower-wings* white with a brown streak and central dot. In the other the *upper-wings* are more yellow with darker tips: *lower-wings* with only a central brown dot. In both are distinct black marginal dots.

* *Betularia* All the wings white speckled and waved with black; thorax with a black band; antennæ setaceous at the tip.

Inhabits *Europe*. *Donovan*. vii. *tab.* 237. *Aldin* t. 91. 92.

Larva dusky with scattered tubercles, head bifid, tail truncate: *pupa* naked claret-brown.

Legs black annulate with white.

Nitidaria. Wings silvery with 2 oblique brown streaks on the upper-pair.

Inhabits *Southern Europe*.

Body white: *lower-wings* immaculate, beneath with a brown streak and specks.

* *Prodro-maria*. Wings white speckled with black with 2 broad dark ferruginous bands.

Inhabits *Europe*. *Donovan*. vii. *tab.* 219.

Male. *Antennæ* pectinate yellow: *upper-wings* with a spot between the bands: *lower-wings* without the band. *Female*.

Antennæ setaceous: *lower-wings* with 2 single band.

Larva sometimes brown sometimes ferruginous, head red: *pupa* folliculate chestnut-brown and remains under ground.

Sacraria. Wings yellow with an oblique red streak.

Inhabits *Africa*.

Antennæ setaceous at the tip.

Elinguaria Wings cinereous; upper-pair with a broad darker band in the middle of which is a black dot.

Inhabits *Europe*. *Rees*. *Inf. phal* 3. *tab.* 9.

Larva rough varied with cinereous and brown: *pupa* folliculate, brown before ferruginous behind.

Grifaria. Wings grey: upper-pair with a broad darker band in the middle of which is a black dot.

Inhabits *Europe*; probably a variety of the last.

The band terminating each side with ferruginous, the margin immaculate.

- Crenaria.* Wings yellowish speckled with brown; upper-pair with a black dot in the middle.
Inhabits *Germany*.
All the wings pale yellow with a broad darker band in the middle.
- * *Plumbaria.* Wings plumbeous with 3 brown streaks and a dot in the middle.
Inhabits *England*. *Wien. Verz.* 202. 7.
Antennae setaceous at the tip; *lower-wings* and all beneath cinereous immaculate.
- Lignaria.* Wings blackish subfasciate with grey.
Inhabits *Saxony*, in rotten wood.
All the wings with numerous grey streaks.
Larva black with 4 lines of pale dots.
- Fubvaria.* Wings pale yellowish with a deeper streak on the upper-pair behind.
Inhabits *Italy*; small.
Body black, tail yellow.
- * *Purpuraria.* Wings yellow; upper-pair with a purple margin and 2 bands.
Inhabits *Europe*. *Clerk Icon. tab. 9. fig. 11*,
Larva green, the back brown with a pale line.
- Artesfaria.* Wings grey with an oblique white streak and ferruginous spot.
Inhabits *Austria*. *Wien Verz.* 102, 2.
Lower-wings immaculate.
- Aureolaria.* Wings deep yellow with 3 brown streaks and margin.
Inhabits *Austria*. *Hybn. Beytr.* 2. *tab. 3. F.*
Lower-wings with only 2 streaks.
Larva glabrous whitish, the back darker with a brown line.
- Pratanaria.* Wings cinereous with brown waves and a black dot in the middle.
Inhabits *Barbary*.
Shaft of the *antennae* varied with white and black, the rays black: *body* black, the edges of the segments white: *wings* beneath cinereous with a darker dot in the middle and waved streaks.
- Gilvaria.* Upper-wings yellowish with an oblique brown band and specks.

Inhabits *Austria*. *Wien Verz.* 102, 10.

Lower-wings whitish.

Larva cinereous with ferruginous lines and a whitish stripe down the back.

Herbaria. Wings green with a black dot in the middle.

Inhabits *South American Islands*.

Head and *antennæ* white; *thorax* green; *abdomen* cinereous; *wings* paler beneath without the dot.

Brunnearia Wings deep yellow with a black margin above and 2 black streaks beneath.

Inhabits *Italy*; small, tender.

Fuliginaria Wings black with white bands; beneath grey with brown bands.

Inhabits *Shrubberies of Sweden*.

Minutaria. Wings cinereous with brown streaks and band behind.

Inhabits *Italy*; minute black.

Pygmaria. Wings cinereous, the base brown terminated by a black streak.

Inhabits *Kiel*; small.

Upper-wings cinereous behind the base with a brown streak or two, beneath cinereous with a central brown lunule.

b. *Antennæ setaceous.*

Politata. Wings angular tailed yellow; upper-pair with 2 punctured rufous bands.

Inhabits *Surinam*. *Cramer.* 12. *tab.* 139. E.

Between the bands at the thicker margin is a brown lunule with rufous dots.

Caudata. Wings angular tailed white with brown bands and 3 black dots near the tail.

Inhabits *Java*. *Cramer.* 9. *tab.* 104. D.

Latata. Wings tailed green with a marginal brown band which on the upper-pair is bifid at the tip.

Inhabits *East India*.

Lower-wings with a green spot in the margin.

Fasciata. Wings angular plumbeous with a snowy band.

Inhabits *India*. *Antennæ* yellow.

Upper-wings yellowish at the thicker margin: *lower-wings* with 2 black spots surrounded with a yellow ring behind the band.

Angulata.

- Angulata.* Wings angular tailed with larger and smaller grey streaks, and a black dot near the tail.
Inhabits *Africa*, small tender.
Body white: *lower-wings* with 2 lateral smaller dots near the larger one; beneath all white.
- Cynata.* Wings angular varied with brown white black and fulvous; lower-ones beneath white.
Inhabits *Surinam* *Cramer. 2. tab. 14. C, D.*
Upper-wings brown, white in the middle, tipped with black and spotted with fulvous: *lower ones* brown, black in the middle, spotted with fulvous with a flexuous whitish streak, the tip whitish.
- Arenata.* Wings angular, above immaculate, beneath with brown streaks and specks.
Inhabits *Tranquebar.*
Lower-wings beneath speckled with brown with a streak before the middle, then another of dots then a few waves.
- Regulata.* Wings angular cinereous with a brown patch on the upper-pair.
Inhabits *Brasil.* In the museum of Sir *Jos. Banks.*
Upper wings emarginate, with an abbreviated brown band at the thicker margin, the notch with a brown lunule; beneath cinereous speckled with brown and 3 brown streaks, the tip a little yellowish: *lower-wings* cinereous with a small brown dot in the middle, and a waved marginal brown streak; beneath 2 brown streaks a few specks and dot in the middle, the tip yellowish.
- * *Falcata.* Wings falcate fulvous with 2 brown dots between 2 yellow streaks.
Inhabits *England.* *Wien. Verz. 64, 4.*
Upper-wings with a brown patch towards the tip: *lower-ones* paler. Beneath all immaculate.
- Flexulata.* Wings emarginate grey with 2 brown dots between 2 whitish streaks
Inhabits *Germany.* *Hvbn. Beytr. 1. tab. 4. 7.*
Body grey: *head* brown: indentation of the wings fulvous; *lower-wings* grey with a white streak and brown central dot. Beneath all reddish with a black dot.
- Mantata.* Wings angular brown with a darker band and on the upper-pair a black ocellar dot.
Inhabits *Surinam.* *Cram. 1. tab. 10. fig. F.*
Dot in the middle of the *upper wings* with a ferruginous iris.

turata. Wings angular varied with grey and yellow; upper-pair with a white spot in the middle and marks near the rib.

Inhabits *India*. Body beneath white.

Upper-wings with a large blackish spot surrounded with a snowy arch at the hind-margin. Beneath all cinereous with a central black dot.

Glaucata. Wings angular indented cinereous with 2 pale ferruginous streaks and dot in the middle and streak of dots beneath.

Inhabits *Barbary*; large.

Antennæ snowy; body white downy: *lower-wings* with a single streak only. Beneath all paler speckled with brown and a streak of 6 or 7 chestnut-brown spots.

Neitrata. Wings angular indented green; lower-ones with a white spot in the middle.

Inhabits *America*. *Cramer*. 13. tab. 151. F.

Thorax yellow: *abdomen* rufous, yellow at the base: all the wings angular, speckled with brown and with a ferruginous hind-margin.

Phylirata. Wings angular green with a subocellar fulvous spot.

Inhabits *Surinam*. *Cramer*. 15. tab. 170. D.

All the wings with a fine fulvous margin.

Demandata. Wings subangular yellowish with 3 brown streaks and a black dot in the middle.

Inhabits *Germany*. *Wien. Verz.* 104, 10.

All the wings finely speckled with purple.

Explanata. Wings indented ferruginous with a brown band in which is a black dot.

Inhabits *China*.

Wings terminated by a whitish streak and a black waved one.

Rhamnata. Wings indented brownish with a darker indented band in the middle in which is a black lunule; beneath a brown dot and streak.

Inhabits *Austria*. *Wien Verz.* 109, 2.

Larva green with a brown dorsal line, the edges of the segments yellow, head brown.

• *Dubitata.* Wings indented waved with brown grey and black, the nerves dotted with white.

Inhabits *Europe*. *Donovan*. vii. tab. 246. fig. 2.

Upper-wings with a darker band in the middle: *lower-wings* grey with a dull ferruginous margin, the nerves dotted with white.
Larva green with brown and pale lines and a lateral yellow one.

Cinerata. Wings subangular cinereous with 4 brown streaks.
 Inhabits Germany. Body brown.
Wings beneath cinereous with obsolete white streaks.

• **Dimidiata** Wings indented, yellow before and brown behind.
 Inhabits England. In the collection of Mr. Monson.
Wings rounded indented, the first half yellow with brown specks dot and 2 streaks, lower-half brown.

Errorata. Wings indented yellow speckled with brown; beneath a brown streak and band behind.
 Inhabits India.
 All the *wings* beneath yellowish with a brown lunule in the middle and broad brown band behind.

Elavata. Wings indented yellow with a brown band behind.
 Inhabits East India.
 Body yellow: *antennae* blackish: all the *wings* beneath with a pale ferruginous dot in the middle and marginal band, the lower-ones with a yellow spot in the margin.

Carinata. Wings indented varied with yellow and brown with an angular black streak.
 Inhabits East India. Cramer. 11 tab. 128. F.
Upper-wings with 2 black spots in the middle.

• **Viridatæ.** Wings angular; all green with a pale streak.
 Inhabits Europe. Harris *Inf.* 7. tab. 3. fig. c—i.
Larva flesh-colour with a darker line down the back, head and neck 2-toothed.

Furcata. Wings indented grey-brown with a broad indented darker band.
 Inhabits Austria. Hybn. *Beytr.* 4. tab. 2. fig. I.
Antennae ferruginous within: *wings* with an obsolete pale streak behind the band. Beneath all darker at the base and paler at the tip.
Larva livid with flesh-colour waves and black dots, behind are 3 pair of small teeth the middle one less.

Lividata. Wings indented grey with black waves and a subocellar dot in the middle.

Inhabits *Austria. Wien. Verz.* 108, 3.

Wings beneath cinereous with a waved black streak at the tip.

Larva brown dotted with white, 2-toothed behind, head cinereous.

Obscurata. Wings indented grey with obsolete paler waved streaks.

Inhabits *Sweden*, on the *Myrtillus*.

Base of the *upper-wings* a little brownish.

* *Strigata.* Wings indented cinereous with a broad brown band in which is a waved black streak.

Inhabits *England*. In the collection of Mr. *Francillon*.

Body cinereous: *upper wings* with a black dot in the middle and terminal band at the tip: *lower-wings* deeply indented, cinereous with transverse brown lines, in the middle a broad brown band in which is a black streak. Beneath cinereous with a brown dot on the upper-pair and a brown dot and streaks on the lower-ones.

Calcantha- Wings rounded indented brown marbled; all with a broad
ta, flexuous paler marginal streak.

Inhabits *America. Smith's Lepidopt. Inf. of Georgia.*

* *Notata.* Wings angular pale with 3 browner streaks; upper-pair with 4 approximate dots.

Inhabits *Europe. Clark Icon tab. 6. fig. 11.*

Pulchellata Wings angular whitish with an obscure dot in the middle and marginal band.

Inhabits *East India.*

Upper-wings with 2 larger black dots near the tip joined by a fine streak, the margin darker with a streak of black lunules: *lower-wings* with a black dot in the middle, marginal waves and streak of lunules behind. Beneath all whitish with a black dot in the middle and 2 streaks behind.

Nitata. Wings slightly indented dull grey, beneath paler with 2 brown dot and band.

Inhabits *Germany*; small.

All the *wings* waved above with a few obsolete black specks.

Arcata. Wings angular snowy; upper-pair with a marginal brown spot; lower-ones with 4 approximate brown streaks.

Inhabits *Surinam. Cramer. 5. tab. 56. D.*

Sponsata. Wings angular brown-ash varied with fulvous, in the middle a transparent white spot and costal dots.

Inhabits *Sierra Leona*.

Body grey with fulvous specks: *upper-wings* with darker waved streaks and fulvous spots near the rib, a larger one in the middle and in this a large transparent lunule. besides these are 5 snowy dots on the rib: *lower-wings* with a fulvous spot in the middle. Beneath all whitish with a waved brown streak and hind-margin.

Luscata. Wings angular brown; upper-pair with a darker band in which is an ocellar whitish spot.

Inhabits *Gayenne*.

Upper-wings with 2 black dots towards the tip: *lower-wings* with 3 paler streaks. Beneath all brown with a whitish ocellar spot on the upper-pair.

Decorata. Wings subangular cinereous; upper-pair with 3 yellow bands, lower-ones with a single one, all with a gold edge.

Inhabits *Jamaica*. In the collection of Mr. Yeates,

The third band on the *upper-wings* is common and terminating at the thicker margin by a gold dot, the margin terminating in a rusty brown streak: *lower-wings* with an abbreviated black streak at the angle of the tail, behind the band is a pale fulvous spot with a contiguous smaller one and a gold dot. Beneath all cinereous: *abdomen* cinereous, the edges of the segments yellow.

Porata. Wings pale with rufous specks, all with an ocellar white dot.

Inhabits *Europe*. *Wien. Verz.* 107. 2.

The ocellar dot with a black iris; hind-margin dotted with black. Beneath all paler immaculate.

Larva green with lateral rufous lines and dots:

**Emarginata.* Wings emarginate pale with 2 grey bands and a brown dot.

Inhabits *Europe*. *Clerk. Phal. tab.* 4. *fig.* 12.

Bicolorata. Wings striate blueish; tip of the upper-pair black spotted with white.

Inhabits *Surinam*. *Cramer.* 12. *tab.* 143. A.

Thorax brown dotted with white: *abdomen* brown.

**Großfula-riata*. Wings whitish with round black spots and 2 yellow streaks on the upper-pair

Inhabits Europe. *Donovan. i. tab. 4. Albin. tab. 43. fig. 71.*

Merian Europ. i. tab. 29. Wilks tab. 2. a 1.

Abdomen pale fulvous with black spots.

Larva a little hairy, above cinereous with black spots, beneath yellow : pupa folliculate black with yellow bands.

Gravidata. Wings yellow with fulvous specks ; upper-pair with about 3 brown bands, lower-pair with one.

Inhabits Tranquebar.

Head yellow with 2 rosy spots : antennae yellow, longer than the body : thorax yellow : lower-wings beneath rosy at the tip.

Rajata. Wings rounded, both surfaces alike, rosy spotted with yellow.

Inhabits Amboina. *Cramer. tab. 368. fig. F.*

Head rosy : thorax rosy before : legs long yellow.

**Undulata*. All the wings with numerous crowded undulate streaks.

Inhabits Europe. *Harris Inf. tab. 2. fig. 5. 6.*

Hesperata. Wings rounded, both surfaces alike, blueish with a broad white band.

Inhabits India. *Cramer 5. tab. 56. C.*

Flaveolata. Both surfaces of the wings alike, black with a common yellow crenate disk.

Inhabits India. *Cramer 8. tab. 88. C.*

**Populata*. Wings pale yellow ; upper-pair subfasciate at the tip, beneath darkened with brown.

Inhabits Europe. *Clerk. Phal. tab. 5. fig. 14. 15.*

Pyrallata. Wings yellow with 4 waved brown streaks, the hinder-one composed of spots.

Inhabits Austria. *Wien. Verz. 117. 1.*

Upper-wings beneath with a brown dot in the middle streak behind and dot at the tip : lower wings above paler with a brown streak, beneath a brown dot in the middle and 2 streaks,

**Comitata*. Upper-wings yellowish with 3 grey bands, a brown dot and line at the tip.

Inhabits Europe. *Wien. Verz. 112. 2. 3.*

Larva varied with green and ferruginous, head pale with 2 brown lines.

**Ulmata*.

- **Ulmata*. Wings white with 2 ferruginous-brown bands, the hinder-one composed of spots.
 Inhabits *Europe*. *Panz.* 4. *tab.* 22. *Sepp.* 6. *tab.* 3.
Donovan's English Insects ix. *tab.* 293. *fig.* 1.
 All the wings beneath white with brown spots.
Larva green with black lines, head and tail black: *pupa* folliculate blueish.
- Colorata*. Upper-wings yellowish with darker bands and a testaceous spot at the tip edged with white.
 Inhabits *Zealand*.
Lower-wings cinereous with darker streaks. Beneath upper-pair brownish with a yellowish rib, lower-ones cinereous with a brown dot in the middle and 2 streaks.
- Dealbata*. Wings white with black veins beneath.
 Inhabits *Germany*. *Sulz. Hist. Inf.* *tab.* 23. *fig.* 3.
- Aurata*. Wings rounded fulvous with gold dots and a gold streak behind.
 Inhabits *Suriyam*. *Cramer.* 5. *tab.* 53. F.
- **Prunata*. Wings grey-brown with 2 pale flexuous bands, the posterior one nearly terminal.
 Inhabits *Europe*. *Donovan.* vii. *tab.* 233. *fig.* 1.
Lower-wings cinereous with white waved streaks behind.
Larva cinereous with rufous spots on the back, legs rufous, collar black.
- **Cratæga*. Wings deep yellow with 3 ferruginous spots on the rib of the upper-pair, the middle one somewhat silvery.
Inhabits Europe. *Wilks.* *tab.* i. b. 4. *Clerk. phal.* i. 5. f. 15.
Larva grey with a double tubercle on the back: *pupa* folliculate brown with ferruginous spots.
- Aurantiata*. Wings ferruginous-brown with cinereous streaks: lower-ones orange with a central brown spot.
 Inhabits *Germany*. *Frank. Beytr.* 2. *tab.* 1.
Lower-wings with brown specks and margin. Beneath upper-pair orange with brown specks and streak behind.
- **Ferruginata*. Wings orange with brown spots waves and streaks and a line of white dots along the anterior margin.
Phalæna aurantiago. *Donovan.* v. *tab.* 150. *fig.* 2.
 Inhabits *England*, on the Oak.

Thorax orange : *body* cream-colour : *lower-wings* cream-colour with a darker flexuous streak and margin.

- Equestrata.* All the wings black with a fulvous band.
Inhabits *Germany*. *Wien. Verz.* 115. 14.
Antennæ thick black : *body* black.
- Atrata.* Wings black ; upper-pair with a fulvous band ; lower-ones immaculate.
Inhabits *Cayenne*. *Ph. dimidiata. Fabric. n.* 179.
- Lucidata.* Wings dull blue with a streak of gold dots.
Inhabits *Surinam*. *Cramer* 11. *tab.* 128. D.
- Pudorata.* Upper-wings rosy with a broad yellowish band.
Inhabits *Barbary*.
Body yellowish, beneath rosy : *upper-wings* with an obsolete yellow streak behind : *lower-wings* yellow with a rosy patch near the tail and hind-margin.
- * *Marginata.* All the wings white, the exterior margin with a brown interrupted border.
Inhabits *Europe*. *Donovan. ix. tab.* 293. *fig.* 2.
Wings with sometimes a few black spots on the disk.
- * *Miata.* Wings grey with 3 green bands, the middle one broader and waved with brown.
Inhabits *Europe*. *Clerk. Pbal. tab.* 8. *fig.* 2.
- Rubidata.* Upper-wings brown with 2 ferruginous bands.
Inhabits *Austria*. *Wien. Verz.* 113. 22.
Upper-wings cinereous at the thinner margin.
- Cærulata.* Wings dull green with brown bars and 2 blue bands.
Inhabits *Hamburg*.
Head and *thorax* greenish : *abdomen* cinereous.
- Rufata.* Wings cinereous, behind ferruginous with a white streak and black marginal dots.
Inhabits *Europe*. *Hybn. Beytr.* 2. *tab.* 2. *fig.* k.
Body cinereous : *wings* cinereous at the base with 2 or 3 rufous dots.
- Hirtata.* Wings brown with a darker streak connected with a brown one.
Inhabits *Italy*.

Body black : head very hairy : wings brown-cinereous with an indistinct black dot in the middle, behind this a waved darker streak ending in cinereous behind, hind-margin dotted with black.

Spartata. Wings oblong brown with a whitish fillet ; lower-ones cinereous.

Inhabits Germany. Fyessl. Arch. 2. tab. 5.

Upper wings with a whitish streak behind.

Larva green or yellow with a white lateral line : pupa pale ferruginous.

Berberata. Upper-wings cinereous with 3 brown bands, the hinder-one waved with black.

Inhabits Austria. Wien. Verz. 113. 23.

Upper-wings ending in a black line at the tip : lower-wings cinereous.

Larva rough varied with brown rufous and white.

**Decussata* Wings cinereous with 4 black streaks, the 2 middle ones flexuous and crossing each other.

Inhabits England. Donovan. viii. tab. 266. fig. 3.

Lower-wings with a few waved black lines.

**Albicilla-* Wings whitish with a brown margin and spot at the base
ta. and tip.

Inhabits Europe. Donovan. vi. tab. 202. fig. 1.

Larva green, the fore and hind segments with a ferruginous lateral line, middle-ones with a ferruginous dorsal lunule : pupa naked brown.

Illibata. All the wings white immaculate.

Inhabits Austria. Wien Verz. 116, 5.

**Hastata.* All the wings white irregularly barred and spotted with black.

Inhabits Europe. Donovan. iv. tab. 129. fig. 1—3.

Larva reddish-brown with lateral flexuous yellow spots : pupa folliculate reddish-brown.

**Triflata.* All the wings black with 2 white immaculate bands.

Inhabits Europe. Clerk. Phal. tab. 1. fig. 13.

**Clathrata* All the wings yellowish with black lines and streaks crossing each other.

Inhabits Europe. Donovan. vii. tab. 248. fig. 3.

Diversata.

Diversata. All the wings brown-cinereous with white lines and streaks in various directions.

Inhabits *Austria.* *Wien. Verz.* 107. 7.

Aversata. Wings pale with a brown streak at the base band in the middle and dot.

Inhabits *Europe.* *Clerk. Phal. tab.* 5. fig. 7.

2. Wings upper-pair grey; with a brown streak and dot. Margin of the wings a little dotted with black.

Clavellata. Wings cinereous with 2 waved brown streaks and subocellar dot.

Inhabits *Italy.*

Wings beneath whitish with a brown dot in the middle.

Syerata. Wings rounded black with a ferruginous streak; upper-pair cinereous at the thicker margin.

Inhabits *Surinam.* *Cramer. 2. tab.* 19. F.

Body cinereous: abdomen black.

Afinata. Wings grey-cinereous immaculate.

Inhabits *Austria.* *Wien. Verz.* 116. 25

**Chæro-* Black; wings erect; upper-pair white at the tip.

phyllata. Inhabits *Europe.* *Donovan. vii. tab.* 233. fig. 4.

**Procellata* Upper-wings white with 3 brown bands, the middle-one reaching half way across, the hind-one marginal with a white spot in the middle.

Inhabits *Europe.* *Donovan. vi. tab.* 202. fig. 3.

Lower-wings white edged and streaked with brown: head and thorax brown: abdomen whitish.

**Flufluata.* Wings pale cinereous with 3 abbreviated brown bands on the upper-pair.

Inhabits *Europe.* *Merian. Europe. tab.* 120.

Obliquata. Wings dull cinereous with 3 oblique chestnut-brown streaks.

Inhabits *France*; small.

Lower-wings cinereous with a brown streak behind.

Reticulata. Upper-wings brown reticulate with white.

Inhabits *Austria.* *Wien. Verz.* 114. 3.

Lower-wings dull cinereous with whitish streaks at the tip.

Soridata. Wings greenish speckled and streaked with brown, with a black dot behind.

Inhabits *Kiel*.

First streak on the upper-wings slender, 2 longer flexuous, 3, 4 abbreviated, 5 towards the tip sinuate with an adjoining oblong black dot: beneath cinereous with a greenish rib and spotted with brown.

**Bilineata.* Wings yellow with testaceous waves and brown flexuous band and white streaks.

Inhabits *Europe. Donovan viii. tab. 217. fig. 3.*

Larva greenish nearly immaculate and sometimes with white lines.

Bimaculata Wings white; upper-pair with 2 brown spots on the rib.

Inhabits *Germany. Hybn. Beytr. 4. tab. 4. fig. Y.*

Body white: *antennæ* black: *wings* with a few brown specks. Beneath all white with a brown central dot.

Rubiginata Wings snowy with 2 ferruginous bands, the hinder-one reaching half way across and containing a subocellar black dot.

Inhabits *Austria. Sulz. Inf. tab. 23.*

Hind-margin brown with a white streak.

*Centaurea-
ta.* Wings whitish with a brown spot on the rib including a black lunule.

Inhabits *Austria. Wien. Verz. 114. 7.*

Upper-wings with a few brown specks: *lower-wings* white with a black dot in the middle.

Larva green spotted with red.

Adustata. Upper-wings whitish with 2 brown bands, the hinder-one flexuous with cinereous waves.

Inhabits *Austria. Wien. Verz. 114. 9.*

Larva green with a marginal-white spot dotted with red.

**Volutata.* All the wings green with 2 white streaks.

Inhabits *Europe. Harris. Inf. tab. 8. fig. 8.*

Fimbriata Wings plumbeous with a brown band edged with yellow and containing a black dot.

Inhabits *Germany. Schaeff. Icon. tab. 80. fig. 6. 7.*

Body lead-colour: *upper-wings* with a few brown dots behind and patch at the tip: *lower-wings* and all beneath cinereous.

Larva green annulate with yellow, with an oblong ferruginous spot on the neck: *pupa* green, ferruginous before.

Quadri-

Quadrifasciata. Wings grey-brown with a broad blackish band in which is a black subocellar dot.

Inhabits Germany. *Wien. Verz.* 112. 6.

Upper-wings darker behind with an obsolete whitish streak : beneath whitish with a central black dot and streaks.

Propugnata. *Upper-wings* cinereous with 2 ferruginous bands, the hind-one edged with black.

Inhabits Austria. *Wien. Verz.* 112. 7.

Lower-wings cinereous waved with brown at the tip.

Fulvata. *Upper-wings* grey with a reddish sinuate band in the middle.

Inhabits Sweden.

Upper-wings with a reddish patch at the base : *lower-wings* cinereous.

Ocellata. Wings whitish with a broad brown band in which is a subocellar black dot.

Inhabits Germany. *Wien. Verz.* 113. 14.

Larva brown with lateral whitish lines.

**Lynceata.* Wings rounded white with 2 brown bands and a dot at the tip.

Inhabits England.

Abdomen white with brown dots on the back ; *upper-wings* with a brown band at the base, in the middle is a broader one containing a black dot, towards the tip a black dot : *lower-wings* white with a brown dot in the middle.

Rusticata. Wings whitish with a broad brown band on the upper-pair all with a black central dot.

Inhabits Austria. *Wien. Verz.* 113. 13.

Upper-wings with a black dot in the band : *lower-wings* whitish with a black dot in the middle.

Rivulata. Wings whitish with 2 black bands, the last terminal.

Inhabits Germany.

Head and *thorax* brown : *abdomen* cinereous with 2 erect short tufts on the back : *upper-wings* white at the base with an obsolete brown patch near the rib, the hind-margin brown with obsolete white spots : *lower-wings* dusky : beneath white with a brown dot in the middle and 2 bands.

Mellinata. Wings yellow-testaceous with an obsolete darker band in the middle.

Inhabits Austria. *Lower-wings* paler.

Atomata, Wings yellow with ferruginous specks and 2 common streaks.

Inhabits *Germany*; small.

Body yellowish: *upper-wings* with 2 ferruginous costal spots, one before the other behind the streaks.

Janata, Wings cinereous; lower-ones above brown with a white band and 3 dots.

Inhabits *India*.

Upper-wings with 2 remote darker streaks.

**Brumata* Wings yellowish with a black streak and paler behind; female apterous brown.

Inhabits *Europe*. *Degeer, Inf. 1. tab. 24. fig. 11—19.*

Female thick, with very short rounded cinereous wings with a black band before the margin.

Larva green with pale lines.

Linariata Upper wings with ferruginous and cinereous bands and a broad brown band in the middle, the tip spotted with brown.

Inhabits *Austria*. *Wien. Verz. 113. 10.*

In the brown band is a central black dot, and 2 brown spots in the hinder ferruginous band: *lower-wings* varied with brown and cinereous.

Larva yellow with red spots on the back and red legs.

Exspectata Wings rounded green with a ferruginous margin.

Inhabits *Asia*. Both surfaces alike.

Ventilata, Upper-wings dull cinereous with a double black patch in the middle; lower-ones whitish.

Inhabits *Germany*.

Body brown: hind-margin of the *upper-wings* dotted with black: *lower-wings* above immaculate with an obsolete brown band beneath.

**Chenipodi-ata*, Upper-wings testaceous with 3 grey bands, a brown prominent dot and line at the tip above.

Inhabits *Europe*. *Albin. Inf. tab. 47. fig. 79.*

Larva naked greenish or marked with brown lines, the segments angular: pupa folliculate yellowish.

Centumnotata, Wings varied with ferruginous and brown with a grey band in the middle in which is a black c.

Inhabits

Inhabits *Germany*. *Naturf.* 6. *tab* 4. *fig.* 4.

Wings brown at the base with a broad grey band in the middle in the centre of which is a black e, then a waved black streak forming a band near the rib, then a broader ferruginous band terminating at each end in a white streak, the hind-margin brown dotted with black: *lower-wings* cinereous with a black streak and dot in the middle.

Marmorata Upper-wings varied with brown white and ferruginous; lower-ones cinereous.

Inhabits *Italy*.

Body brown: *abdomen* cinereous: *upper-wings* brown at the base with white and ferruginous streaks, in the middle white varied with brown, the tip brown varied with white and ferruginous: beneath whitish, lower-ones with a brown dot in the middle and waved streak.

Strigulata. Wings brown with abbreviated white waved streaks and spot on the rib.

Inhabits *Zealand*.

Wings beneath cinereous, lower-ones with brown streaks and dot in the middle.

Lineolata. Wings cinereous with a darker band in the middle marked with a black lunule before and white streak behind.

Inhabits *Italy*.

Body brown: *upper-wings* speckled with brown with an obsolete darker streak at the base: *lower-wings* white with a black marginal streak.

Myopata Wings cinereous speckled with brown with a brown ocellar dot in the middle, the margin dotted with black.

Inhabits *Italy*.

Body cinereous: *upper-wings* with an abbreviated brown streak behind the ocellar dot composed of 4—5 dots.

**Hexaplerata*. Upper-wings varied with grey and brown; lower-ones whitish with an additional pair of wings at the base.

Inhabits *Europe*. *Donovan*. vi. *tab.* 192.

Upper-wings grey with brown waves, the middle a little paler with a brown lunule: *lower-wings* (of the male) with a pair of rounded white immaculate spurious wings at the base. Beneath all cinereous with a brown dot in the middle

**Duplicata* Upper-wings grey with 3 brown flexuous bands. Inhabits *Europe*. *Donovan*. vii. *tab.* 233. *fig.* 3.

Schæff. Icon. tab. 12. fig. 1, 2. Clerk Icon. tab. 6. fig. 1.

Lower-wings cinereous; all beneath cinereous with a central black dot.

Larva varied with brown and ferruginous with a yellowish lateral line.

Lunulata. Wings brown with yellow waved streaks behind.

Inhabits *Germany*.

Upper-wings dotted with yellow on the fore-margin, towards the hind-margin a streak of 3 yellow lunules, the margin itself dotted with yellow: *lower-wings* with 3 waved yellow streaks, the hind-margin dotted with yellow. Beneath all cinereous at the base, the tip darker with pale streaks.

* *Albe-millata.* Wings brownish; upper-pair waved, with a snowy band with cinereous waves and line within the tip.

Inhabits *Europe.* *Degeer Inf. 1. tab. 22. fig. 16.*

Larva smooth green with yellow bands and a white lateral line.

Flammata. Wings yellow with 4 brown streaks on the upper-pair and 2 on the lower-ones.

Inhabits *Italy.* *Body* brown.

Upper-wings speckled with brown. Beneath paler with 2 brown streaks and specks.

Pfiffacata. Upper-wings green with black waves and 2 bands varied with cinereous and ferruginous.

Inhabits *Austria.* *Wien. Verz. 112, 8.*

Lower-wings brown. beneath cinereous with a brown dot and streaks.

Lutiuata. Upper-wings greenish-brown with 2 white bands and a central black dot.

Inhabits *Saxony.*

Lower-wings cinereous with a brown central dot and streaks.

Rectangu-lata. Wings green subfasciate with brown.

Inhabits *Europe.* *Clerk Icon. tab. 8. fig. 6.*

Upper-wings green with brown specks streaks and abbreviated bands, towards the tip an oblong black dot: *lower-wings* cinereous. Beneath cinereous with a green rib and brown bands on the upper-pair, and a darker dot and curve on the lower-ones.

Larva pale green with a dull purple line down the back.

* *Succenturiata.* Wings whitish with a darker border and black dot.

Inhabits *Europe.* *Clerk. Phal. tab. 5. fig. 2.*

Ferrugata

- Ferrugata.** Wings purplish with cinereous waves and a double brown spot behind.
Inhabits *Europe*, on the *Alfina media*. *Wien. Verz.* 113, 11.
Larva grey with a brown lateral line.
- Posicata.** Wings blackish, the hind-margin cinereous marked with black.
Inhabits *Denmark*.
Body yellowish: *upper-wings* with an obsolete pale band at the base: *lower-wings* and all beneath cinereous.
- * **Maculata.** All the wings yellow with brown spots.
Inhabits *Europe*. *Donovan. vii. tab.* 251. *fig.* 3.
- Moniliata.** All the wings cinereous with black streaks and a brown band behind in which is a cinereous moniliform streak.
Inhabits *Austria*. *Wien. Verz.* 117, 10.
Upper-wings with 4, lower-ones with 3 black streaks, the margin dotted with black.
- * **Euphorbiata.** All the wings brownish-grey immaculate.
Inhabits *Europe*. *Donovan. v. tab.* 153. *fig.* 1.
- Lævigata.** Wings grey with a brown band streak and marginal dots.
Inhabits *Austria*. *Wien. Verz.* 117, 10.
Body minute grey.
- * **Punctata.** Wings rounded snowy; upper-pair with a brown dot in the middle, the margin dotted with black.
Inhabits *England*. *Wien. Verz.* 116, 7.
Body snowy immaculate: *antennæ* rufous beneath: *lower-wings* white immaculate.
- Venosata.** Wings hoary with black streaks and nearly anastomosing whitish waved bands.
Inhabits *Austria*; small.
Margin of the *upper-wings* striate with black.
- * **Murinata.** Wings cinereous with 3 darker streaks; all with a central black dot.
Inhabits *England*. In the collection of Mr. *Francillon*.
Body cinereous: *upper-wings* with a black dot between the first and second streak: *lower-wings* with 2 streaks only and a black dot between them. Beneath all paler with a black dot in the middle and streak behind.

- Innata.* Wings grey with 2 brown streaks and a dot between them, the hinder-streak annexed to a white one.
Inhabits *France*.
Body cinereous: *lower-wings* pale with a whitish streak.
- Mediata.* All the wings grey with darker waves, a black dot in the middle and a streak of them at the margin.
Inhabits *Germany*. *Wien Verz.* 117, 4.
- *Sociata.* Wings deep yellow with a broad brown band, in the middle of which is a recurved tooth.
Inhabits *Europe*. *Harris Inj. tab.* 35. fig. 1.
Body yellowish: *wings* rounded incumbent; upper-pair with an obsolete band at the base, a broader and darker one in the middle branching out a recurved tooth, the tip with a brown patch and cinereous spot; lower-ones white.
- Sagittata.* Wings brownish with 2 black bands edged with white, the hinder-one sending out a tooth.
Inhabits *Austria*.
Upper-wings brown with a mixture of ferruginous: *lower-wings* cinereous with a paler streak.
- Omicata.* Wings white speckled and streaked with black, the tip darker with a streak of white dots.
Inhabits *Italy*; small whitish.
Margin of the *upper-wings* dotted with black. Beneath all alike but paler.
- Luteata.* Wings pale yellow with ferruginous bands and a fulvous dot in the middle.
Inhabits *Austria*. *Wien. Verz.* 118. 10.
- Obsipata.* Wings dull cinereous with a white dot in the middle.
Inhabits *Barbary*.
Wings beneath pale without the central dot.
- Centrata.* Wings yellow with brown waves; upper-pair with a central black dot.
Inhabits *Germany*. *Wien. Verz.* 117, 5.
Antennæ short white: *upper-wings* with numerous anastomosing darker bands: *lower-wings* with numerous waved brown bands. Beneath all alike but paler.
- Cinerea.* Wings cinereous with a central brown dot, the hind-margin waved with brown.

Inhabits *Germany* *Wien. Verz.* 117, 13.
Both surfaces of the wings alike.

Fuscata. Wings brownish with obsolete whitish bands.
Inhabits *Zealand*; small
The Bands on the wings are more distinct beneath.

Coarctata. Wings cinereous with approximate bands and streaks.
Inhabits *Germany.* *Wien. Verz.* 108, 9.
Upper-wings with a distinct dot in the middle: *lower-ones* cinereous, streaked at the margin.

Ornata. Wings snowy with a brown dot in the middle and waved hind-margin.
Inhabits *Austria.* *Wien. Verz.* 117, 14.
Resembles *Ph. cinerata* but the wings are whiter and the hind-margin not so black.

* *Purpurata.* Wings greenish with 2 purple bands on the upper-pair.
ta. Inhabits *Europe.* *Schæff. Icon, tab.* 205. fig. 4, 5.

Rubricata. Wings purplish with waved brown streaks.
Inhabits *Austria.* *Wien. Verz.* 110, 19.
All the wings with 4 streaks, the last paler; beneath alike but the streak at the base is wanting.

Ochreatea. Wings yellowish with numerous darker streaks.
Inhabits *Austria.* *Wien. Vers.* 116. 20.

Brunneata. All the wings fulvous immaculate.
Inhabits *Kiel*; small.

Testata. Wings testaceous; lower-ones chestnut-brown with a brown marginal band
Inhabits *Georgia*; small.
All the wings beneath chestnut--brown.

Corrigata. Wings fulvous with waved brown ferruginous streaks.
Inhabits *Italy*; small.
Wings alike beneath with a central black dot on the lower-ones.

Immaculata. All the wings greenish brown with white waved streaks.
Inhabits *Austria.* *Wien. Verz.* 107, 8.
Larva brown with a reddish dorsal line and blueish lateral one.

Extremata. Wings whitish with a black band at the base lunule in the middle and spot behind
Inhabits *Austria*; minute.

Scutata. Wings cinereous with a brown dot in the middle and band of brown subocellar dots behind.
 Inhabits *Austria. Wien. Verz.* 117, 12.
 Margin of the *lower-wings* dotted with black.

Umbilicata. Wings rounded whitish with a black dot in the middle and at the tip.
 Inhabits *South American Islands.*
 All the *wings* with a brown streak behind.
 Beneath upper-pair dusky, lower-ones white with a brown dot in the middle.

**Immutata.* All the wings snowy with darker waved streaks; the hind-margin dotted with black.
 Inhabits *Europe. Clerk. Phal. tab. 6. fig. 12.*

Remutata. Wings cinereous with 3 brown streaks and dot in the middle, the margin dotted with black.
 Inhabits *Denmark. Clerk Phal. tab. 5. fig. 12.*
 Beneath paler with a white dot in the middle and waved brown streaks on the lower-ones.

Regenerata. Wings snowy with 4 brown streaks, a black dot in the middle and marginal streak of dots.
 Inhabits *South American Islands.*

Offeata. Wings white with darker waves and black dot in the middle; upper-pair with a ferruginous rib.
 Inhabits *Austria. Wien. Verz.* 110. 20.
Body cinereous: *thorax* ferruginous before.

Albulata. Upper-wings snowy with darker waved streaks.
 Inhabits *Austria. Wien Verz.* 109. 12,
 Beneath, *upper-wings* dusky; *lower-ones* white with a darker dot and streaks.

Nassata. Upper-wings brown with a waved snowy band in the middle in which is a brown streak.
 Inhabits *Austria. Wien. Verz.* 109. 13.
Lower-wings cinereous, beneath whitish edged with brown.

Pusillata. Wings brown with cinereous waves and a black lunule in the middle.
 Inhabits *Austria. Wien. Verz.* 110, 26.
 All the *wings* beneath brown.
Larva green with pale lines: *pupa* green.

- Minutata.* Wings whitish, the middle widely brown with an interrupted white streak.
Inhabits *Saxony*; small,
- Fulvata.* All the wings red-ferruginous immaculate.
Inhabits *Cayenne*, small tender.
- Variegata.* All the wings purple with yellow spots and margin.
Inhabits *Hamburg*. *Schæff. Icon. tab. 259. fig. 4, 5.*
Body brown with a yellowish tail.
- Diaphana-
ta.* Wings hyaline white dotted with black, the tip, with abbreviated fulvous streaks.
Inhabits *Sierra Leona*. *Cramer. 10. tab. 113. G.*
- Laterata.* Wings greenish; upper-pair with a testaceous rib black dot and marginal streak of black dots.
Inhabits *Africa*. *Cramer. tab. 120. A.*
Body greenish: *mouth antennae* and lateral line on the *thorax* ferruginous: *lower-wings* with a marginal streak of black dots
Beneath all immaculate.
- * *Cingulata* All the wings brown with a snowy streak.
Inhabits *Europe*. *Clerk Phal. tab. 2. fig. 10.*
- Niveata.* Wings striate snowy immaculate.
Inhabits *America*. Body snowy: *eyes* brown.
- Costata.* Wings snowy with a ferruginous rib on the upper-pair.
Inhabits *America*. *Feelers* ferruginous.
- Stictiata.* Both surfaces of the wings alike, rufous, the margin black dotted with white.
Inhabits *Africa*.
Front fulvous: *thorax* black with 3 white dots: *abdomen* above brown dotted with white, beneath fulvous.
- Capitata.* Cinereous; head margin of the thorax and of the wings at the base ferruginous.
Inhabits *India*.
- Æstuatata.* Blue-black spotted with white.
Inhabits *India*.
Thorax and *abdomen* blue with 4 white streaks.
- Argentata.* Wings yellow at the tip with 2 silvery streaks on the upper-pair; lower-ones with a quadruple black spot.

Inhabits *Gbina*.

Upper-wings silvery at the base with a large triangular brown spot: *lower-wings* silvery the tip yellowish with 4 small approximate black bronzed spots.

Melata. Wings black spotted with white: tail rufous.

Inhabits *Ameica*. *Cramer*. 2. tab. 18. D.

Head and *thorax* black: *abdomen* black spotted with white: *upper-wings* with 3 macular white bands, *lower-ones* with 2.

Sulpharara Wings yellow with ferruginous brown spots and hind-margin.

Inhabits *Cayenne*.

• *Body* yellow with a whitish throat and brown tail.

Cerata. Wings yellow with 3 darker streaks and a marginal ferruginous one.

Inhabits *South American Islands*.

Thorax yellowish: *abdomen* white: *lower-wings* with only one streak.

Sinuata. Wings yellowish the exterior and hind-margin purple sinuate.

Inhabits *Africa*. *Cramer*. tab. 400. fig. I.

Antennæ ferruginous; *head* and *thorax* purple: *abdomen* white: *tail* ferruginous: *lower-wings* with 2 purple spots on the hind-margin. Beneath all alike but the margin is black.

Gibbata. Upper-wings brown ferruginous; lower-ones yellowish with a marginal black band.

Inhabits *East India*.

Upper-wings with a darker spot or two in the middle: *lower-wings* with a brown marginal band. Beneath all yellowish, rosy at the tip, with a transverse brown spot in the middle of the upper-pair.

Violata. Upper-wings purplish-brown with a large yellow spot; lower-ones yellowish.

Inhabits *Tranquebar*.

Upper-wings with 3 blackish streaks and a yellowish rib: *lower-wings* with 2 brown streaks: *head* and *thorax* brown: *abdomen* yellowish: *tail* black with 3 white dots and fulvous at the tip, beneath snowy.

Marinata. Wings green with a white rib on the upper-pair.

Inhabits *East India*.

Body above green beneath snowy.

- **Urticata.* Wings white with macular brown bands; thorax and tail yellow.
Inhabits *Europe*. *Albin.* t. 37. f. 60. *Harris* tab. 6. f. a. —p.
Larva 16 footed naked whitish with a brown back and 2 dots on the collar; secretes itself within the leaves of the nettle which it rolls up: *pupa* folliculate chefnut-brown.
- Perispicata.* Upper-wings shining brown with white hyaline bands: abdomen silvery with 2 black dots at the base.
Inhabits *Cayenne*.
Lower-wings white hyaline with 3 brown bands.
- Hispidata.* Wings brown with 3 raised hairy dots on the disk.
Inhabits *Kiel*. *Lower-wings* brown.
- Funerata.* Wings rounded black with 2 hyaline spots on the upper-pair and one on the lower.
Inhabits *Surinam*. *Cramer.* tab. 79. D, tab. 97. D.
- Securata.* Wings brownish; upper-pair cinereous at the base with a black spot at the thinner margin.
Inhabits *Coromandel*.
Upper wings with 2 fulvous lines in the middle at the thicker margin, the tip brown, the hind-margin paler with a streak of black dots; beneath brown: *lower-wings* brown, beneath cinereous.
- Gurcata.* Wings shining brown with 3 darker streaks and 2 white subocellar dots.
Inhabits *American Islands*.
Head and thorax brown, beneath snowy: *abdomen* cinereous: *lower-wings* brown with 3 darker streaks.
- **Limbata.* Wings rounded yellow with a brown ocellar dot and hind-margin.
Inhabits woods of *Europe*.
- Metallata.* Wings snowy with a gold rib and spot in the middle.
Inhabits *Africa*. In the museum of *Sir. Jos. Banks*.
Body white: *mouth* gold: *lower-wings* with a gold spot in the middle and nearly obsolete streak behind.
- Annulata.* Wings snowy with a testaceous rib and 3 approximate spots 2 of them close to the rib.
Inhabits *East India*.

Body snowy: spots on the *wings* with a black iris: *lower-wings* with a darker ring in the middle terminated by a black dot and towards the margin a darker waved streak.

Repandata Wings pale ash; upper-pair with 3 waved brown streaks and dot in the middle.

Inhabits *Austria. Wien Verz. 120. 2.*

Body cinereous: *abdomen* whitish: *lower-wings* white hyaline with a flexuous brown streak,

Verbascata Wings yellowish; upper-pair with 3 brown streaks and dot in the middle.

Inhabits *Austria. Wien. Verz. 121. 5.*

Margin of the *wings* brownish with a silvery fringe.

Geminata. Wings white hyaline with a darker bifid spot at the base and kidney-shaped one in the middle, the hinder-margin darker,

Inhabits *South America.*

Body hairy white, tail very much bearded: *upper-wings* with a brown lunule in the middle of the kidney-shaped spot, on the hind-margin 2 approximate black dots: *lower-wings* whitish.

Hyalinata Wings hyaline white surrounded with a black margin; tail yellowish.

Inhabits *America and Asia. Cram. tab. 371. D.*

Abdomen snowy: beard of the tail black.

* *Paludata.* Wings white with a brown band or two and black ocellar dot in the middle.

Inhabits *Marshes of England.*

Body snowy: *eyes* black: dot in the middle of the *upper-wings* with a white pupil: *lower-wings* snowy with a brown interrupted band. Beneath whitish.

Potamogata Wings cinereous spotted with white; upper-pair obsoletely reticulate.

Inhabits *Europe. Reaum. Inf. 2. tab. 32. fig. 11.*

* *Stratiolota* Wings with pale bands; upper-pair with 3 black dots.

Inhabits *Europe. Degger. Inf. 9. tab. 37. fig. 16—18.*

Larva aquatic 6-footed green with tufted lateral spiracles: *pupa* folliculate, tapering both ways, ferruginous.

Palustrata Wings brown with yellowish spots and 2 macular yellowish streaks at the tip.

Inhabits *France*, in marshy places.

**Nymphæata.* Wings cinereous, all of them alike with reticulate white spots.

Inhabits *Europe*, on the *Nymphæata*. *Wien. Verz.* 121. 13.

Uliginata. Wings cinereous with brown bands : lower-ones with a terminal black band in which are 5 white dots.

Inhabits marshes of *Denmark*.

Lower-wings white with a broad brown band in the middle, then a black dot, then a terminal black band with 5 white dots, before this band are a few waved brown streaks.

Inundata Wings varied with cinereous and ferruginous and streaked with white; lower-ones with a black marginal streak in which are 4 silvery dots.

Inhabits *Savannahs of America*.

Lower-wings speckled with brown.

**Lemnata.* Wings white; lower-ones with a terminal black band in which are 4 white dots.

Inhabits *Europe*. *Donovan. viii. tab. 266. fig. 1, 2.*

Harris Inf. tab. 7. fig. 1—p.

Male snowy : *female* ochre yellow.

Sambucata Wings brown with scattered hyaline spots.

Inhabits *Austria*. *Wien. Verz.* 124. 14.

Wings with a flexuous yellowish macular streak behind.

Candidata. Wings snowy with brown waved streaks and 2 black dots.

Inhabits *Austria*. *Wien. Verz.* 316. 46.

Upper-wings with a small black dot at the base, behind are 3 waved streaks in the anterior of which is a double black dot :

lower-wings white with 2 brown streaks.

Cribrata. Wings white spotted with black, the rib speckled.

Inhabits *East India*; small.

Antennæ white brownish beneath : *upper-wings* with 2 or 3 abbreviated darker streaks, the rib with numerous dots in a double row : *lower-wings* with a brown dot at the base and streak in the middle, behind the middle is a black dot and another at the tip.

Perspectata

Perspectata Upper-wings grey with hyaline spots; lower-wings hyaline, the margin yellow with hyaline spots.

Inhabits *East India*.

Antennae longer than the body; hyaline spots on the hind-margin surrounded with a brown ring. Beneath alike but paler.

Vitrata. Upper-wings dusky with a hyaline spot and 2 dots; lower-ones hyaline edged with brown.

Inhabits *Tranquebar*.

Upper-wings dirty yellowish: *lower-wings* with brown streaks and broad brown margin.

Elevata. Wings deep yellow dotted with brown, beneath immaculate.

Inhabits *South America*.

Hind-margin of all the wings with silvery fringe.

Velotata. Wings fulvous, all tipped with brown; upper-pair with a brown band.

Inhabits *Rotterdam Island*. In the collection of Sir *Jos. Banks*.

Head and thorax brown: *abdomen* fulvous tipped with brown: *upper-wings* with a brown hind-margin. Beneath alike.

Tripunctata. Wings palish or yellow; upper-pair with 3 brown spots on the rib; lower-ones with a brown dot in the middle.

Inhabits *South American Islands*.

Upper-wings with an obsolete brown streak or two, the tip brownish. Beneath paler.

Vittata. Wings whitish with a black fillet in the middle, the margin dotted with black.

Inhabits *South American Islands*.

Upper-wings with a darker dot in the middle, the rib black towards the tip.

Revidata. Wings yellowish with 3 brown streaks on the upper-pair and 2 on the lower-ones; beneath whitish immaculate.

Inhabits *Tranquebar*; resembles the next.

Indicata. Wings yellow with 3 waved brown streaks on the upper and 2 on the lower-pair.

Inhabits *South America*, on the *Dolichos*.

Upper-

Upper-wings with a brown dot in the middle : *wings* beneath brownish at the tip.

Larva slightly hairy, green with a pale head.

Derogata. Wings white with numerous brown streaks.

Inhabits *East India*.

Body white : eyes black.

Ejectata. Wings varied with brown and yellow, with scattered hyaline spots.

Inhabits *East India*. Beneath alike.

Fenestrata. Wings white hyaline with numerous yellowish streaks.

Inhabits *American Islands* ; small.

All the *wings* with 6 yellow streaks and hind-margin.

Discata. Wings yellowish with 3 brown subocellar spots on the disk and 4 snowy ones on the rib.

Inhabits *American Islands*.

Antennæ as long as the body : spots on the disk surrounded with a white ring.

c. *Wings forked.* *Pyrallis. Gmelin.*

Marginalis Feelers recurved : wings black ; lower-pair with a yellow margin.

Inhabits *Southern Europe.* *Hybn. Beytr.* 1. tab—fig. k.

**Farinalis* Feelers recurved ; wings polished yellowish with white flexuous streaks, the base and tip glaucous.

In bran and meal. *Clerk Phal. tab. 2. fig. 14.*

**Glaucina-* Feelers recurved : wings glaucous with 2 brown flexuous streaks.

Inhabits *Europe.* *Clerk. Phal. tab. 3. fig. 4.*

**Barbalis.* *Antennæ* pectinate longer than the feelers : fore-thighs with a projecting beard.

On the *Trifolium pratense.* *Clerk. Phal. tab. 5. f. 3.*

Atennalis. *Antennæ* pectinate longer than the feelers : wings incumbent cinereous with a whitish streak behind.

Inhabits *Kiel* ; large.

Feelers projecting lanceolate : rib of the *upper-wings* dotted with white : *lower-wings* whitish with a black spot at the tip.

Ventilabris Antennæ pectinate longer than the feelers ; fore-shanks with tufted hairs at the tip.

Inhabits *Carinthia*.

Wings grey with 3 waved brown streaks : lower-ones cinereous with a single streak, white at the end.

Bombycalis. Antennæ pectinate longer than the feelers : wings grey-rufous with 2 whitish streaks ; lower-ones yellow edged with black.

Inhabits *Austria. Wien. Verz.* 120. 6.

Rib of the upper-wings dotted with white : lower-wings yellowish with a large black spot at the tip.

**Tentacularis*. Antennæ pectinate as long as the projected feelers ; wings pale cinereous with brown streaks.

Inhabits *Europe. Degeer. Inf.* 1. tab. 5. fig. 1.

**Proboscidalis*. Feelers projecting approximate longer than the thorax ; wings grey with ferruginous streaks.

Inhabits *Europe. Clerk. Phal.* tab. 5. fig. 4.

Ensalis. Feelers projecting approximate longer than the thorax : wings grey with a ferruginous streak in the middle and another behind of white dots.

Inhabits *Kiel*; resembles the last.

Upper-wings beneath brown : lower-wings above cinereous beneath whitish.

Elongalis. Feelers projecting longer than the thorax ; wings slightly indented with waved-brown streaks behind.

Inhabits *Tranquebar*.

Antennæ setaceous : head and thorax brown : abdomen cinereous : hind-margin of the upper-wings dotted with black : lower-wings and all beneath cinereous.

Lancealis. Feelers projecting approximate lanceolate ; wings grey immaculate.

Inhabits *American Islands*.

Feelers longer than the thorax with a short recurved one each side besides.

**Rosfralis*. Feelers projecting longer than the thorax ; wings greyish with 2 muricate black dots and line at the tip.

On the *Carpinus* and *Humulus*. *Rees.* 1. *Phal.* 4. tab. 6.

Larva

*Larvan*aked 14-footed, green with oblique white stripes and lateral lines: *pupa* folliculate chestnut-brown obtuse and carinate before.

**Nemorialis* Feelers recurved; wings grey with 3 brown streaks, the middle one flexuous.

Inhabits *England*. *Harris. Inj. tab. 2. fig. 6. ?*

Feelers as long as the thorax: first streak on the wings straight, second flexuous, third oblique reaching from the angle of the tail to the tip between the first and second streak is a small brown lunule, at the margin is a fine brown streak: beneath a brown dot and streak, the margin dotted with brown.

Craffalis Upper-wings brownish, the tip cinereous with ocellar black dots.

Inhabits *Austria*.

Upper-wings spotted with white at the thinner-margin.

Alpestralis Wings varied with black and blueish; lower-ones black.

Inhabits *Austria*.

Abdomen black with white angles: *lower-wings* black with a palish thinner margin. Beneath cinereous at the base and tip with brown.

**Palpalis* Feelers projecting longer than the thorax: wings grey; lower-ones white at the thicker margin.

Inhabits *England*.

Antennæ hardly pectinate; *upper-wings* immaculate.

Porrectalis Feelers projecting longer than the thorax: wings brownish with a reddish-brown streak in the middle.

Inhabits *American Islands*; small.

Wings yellowish with a black dot in the middle and 2 white ones towards the tip near the rib: *lower-ones* and all beneath brown.

**Forficalis* Wings glabrous pale with oblique ferruginous streaks.

Inhabits *Europe*. *Reaum. Inf. 1. tab. 16. fig. 13. 14.*

Sophialis Wings glabrous variegated with brown and cinereous; lower-ones cinereous with a brown hind-margin.

Inhabits *Austria*.

Lower-wings with a few white dots on the brown margin.

Tristalis Wings grey with 3 recurved brown streaks, the last terminal.

Inhabits

Inhabits *Italy*.

Upper wings grey speckled with black with a nearly obsolete yellowish lunule in the middle : *lower-wings* with 2 streaks only. Beneath all with a single streak.

Variiegalis Wings glabrous varied with brown and cinereous, with a distinct brown band behind.

Inhabits *Austria*.

Lower-wings grey. Beneath, upper-pair brown, lower ones whitish.

D. midialis Wings yellowish at the base, the tip purple with an abbreviated green band.

Inhabits *East India*.

Head and *thorax* yellowish : *abdomen* snowy : *antennae* testaceous : *lower-wings* and all beneath dusky.

Obliqualis. Wings pale with an oblique brown streak and hind-margin.

Inhabits *South American Islands*.

Body whitish : *lower-wings* and all beneath whitish, the margin somewhat brown.

Diagonalis Wings brown with a black dot in the middle, the tip cinereous with a black dot or two.

Inhabits *South American Islands*.

Antennae brown with a white base with a tuft of long hairs between them : *upper-wings* with an oblique white streak in the middle ; beneath brown : *lower-wing* above brown beneath cinereous.

Metitalis. Wings pale cinereous with 2 brown dots and a streak behind.

Inhabits *Rotterdam Island*. In the museum of Sir *Jos. Banks*

Lower-wings pale with a brown streak at the tip. Beneath all pale.

Medialis. Wings grey with 2 black dots between 2 brown waved streaks.

Inhabits *South American Islands*.

Wings paler beneath with 2 black dots only.

Duplicalis. Wings brown with 2 white waved streaks ; rib of the upper-pair with a reflected hairy base.

Inhabits *American Islands*.

Body cinereous : *wings* beneath cinereous with a whiter streak.

Undalis

- Undalis.* Wings dull cinereous with 3 oblique waved snowy streaks.
Inhabits *Italy*.
Body brown : hind-margin of the wings snowy with 6 pair of brown dots.
- Margaritis.* Wings glabrous ; upper-pair yellowish with a ferruginous-brown tip.
Inhabits *Saxony*. *Wien. Verz.* 123. 29.
Upper-wings with brown ferruginous specks : *lower-ones* white.
- Sericalis.* Wings glabrous yellow with a brown spot in the middle.
Inhabits *India*.
Upper-wings ochraceous with a brown spot in the middle in which are 2 black dots, the hind-margin dotted with white : *lower-ones* paler.
- Trinalis.* Wings glabrous yellow with 3 brown spots on the disk and a brown hind-margin.
Inhabits *Austria*. *Wien. Verz.* 314. 47.
Lower-wings paler with a brown margin.
- Verticalis.* Wings glabrous pale subfasciate with brown, beneath waved with brown.
Inhabits *Europe*. *Wilks pap.* 24. tab. 3. a. 16.
Larva 16-footed hairy with yellow head and legs : *pupa* brown, the 3 last segments with a small tooth.
- Glabralis.* Wings glabrous pale with waved brown streaks, above yellow beneath white.
Inhabits *Kiel*.
Upper-wings with 4 streaks, lower-ones with 2 : beneath whitish with brown streaks.
- Testalis.* Wings glabrous pale obsoletely streaked, the rib ferruginous.
Inhabits *East India*.
Head and fore part of the *thorax* testaceous : wings beneath glossy-white.
- **Salicalis.* Wings cinereous with 3 oblique fulvous streaks on the upper-pair : antennæ pubescent.
Inhabits *Europe*. *Wien. Verz.* 285. tab. 2. b. fig. 5.
Larva 14-footed naked green with a darker dorsal line : *pupa* shining black.

Alpinalis. Upper-wings dull cinereous with a white spot in the middle.

Inhabits *Austria*. *Wien. Verz.* 123. 24.

Lower-wings brownish with a larger white spot. Beneath, upper-pair brown with a white spot in the middle, lower-ones snowy with a brown hind-margin.

Punctalis. Wings cinereous with a snowy dot in the middle and brown streak behind.

Inhabits *Austria*, *Wien. Verz.* 123. 25.

Lower-wings and all beneath cinereous.

Nitidalis. Wings brown with 2 yellow streaks.

Inhabits *Austria*. *Wien. Verz.* 129. 36.

Rib of the *upper-wings* purplish dotted with yellow between the streaks: *lower-wings* brown with 2 pale streaks. Beneath brown with a marginal yellow spot on the upper-pair and an incurved pale streak on the lower-ones,

Obsoletalis. Wings brown with an obsolete pale streak behind; lower-ones whitish beneath.

Inhabits *Italy*.

Upper-wings beneath brown with a pale border: *lower-wings* brown with a paler border, beneath immaculate.

Cornicalis. Feelers recurved; wings cinereous with a whitish streak behind; antennæ thicker in the middle.

Feelers like horns; *antennæ* appearing as if they had been broken and joined again: *upper-wings* with a few darker streaks: *lower-wings* and all beneath paler.

Capitalis. Feelers projecting: wings brown with 2 pale spots: head 2-horned.

Inhabits *Tranquebar*: small.

Antennæ filiform flexuous with 2 large elevated horn-like tufts of brownish hairs behind them: *wings* paler beneath.

Dorsalis. Feelers recurved: wings cinereous with a dorsal brown line and band behind.

Inhabits *Brazil*. In the museum of Sir. *Joy. Banks*

Upper-wings with 2 small dots in the middle; *lower-ones* and beneath cinereous immaculate.

• *Pingluna.* Feelers recurved; wings cinereous subfasciate with black at the thicker margin.

Schæff. Ic. tab. 6. f. 8. 9. Reaum. 3. t. 29. f. 4—11.

A very

A very common and troublesome insect in kitchens and larders, among butter, bacon and fat of every kind, and is said to have been found in human stomach.

Larva 16-footed naked shining brown: *pupa* naked dull reddish-brown.

Ramalis. Feelers slightly recurved: wings olive with a pale indented band behind.

Inhabits *Austria*. *Wien. Verz.* 120. 14.

Hind-margin of the *upper-wings* striate with brown: *lower-wings* pale, the edge a little yellowish. Beneath upper-pair brown, lower-ones pale.

Cineralis. Wings cinereous with 2 yellow streaks on the upper-pair and one on the lower.

Inhabits *Italy*.

Antennæ simple: *wings* cinereous beneath with darker streaks.

Ænealis. Wings shining brown immaculate: head ferruginous,

Inhabits *Austria*. *Wien. Verz.* 123. 26.

Upper-wings with a copper-gloss: *lower-ones* brown.

Grisealis. Upper-wings cinereous immaculate; lower-ones and all beneath brownish.

Inhabits *Italy*. *Body* cinereous.

Palealis. Upper-wings greenish immaculate; lower-ones whitish.

Inhabits *Austria*. *Wien. Verz.* 123. 27.

Ochrealis. Upper-wings ochre-yellow; lower-ones brown: all immaculate.

Inhabits *Austria*. *Wien. Verz.* 123. 28.

Ferrugalis. Wings yellowish with 3 ferruginous waved streaks on the upper-pair and 2 on the lower.

Inhabits *Africa*. In the museum of Sir. *Jos. Banks*.

Secalis. Wings grey-brown striate with a kidney-shaped spot marked with a roman A

Found within the stalks of corn, where it eats its way into the heads, rendering them dry and barren.

Larva green with 3 brown lines, head reddish.

Bipunctalis. Wings cinereous with 2 darker dots and streaks.

Inhabits *American Islands*.

Body above cinereous beneath snowy: *lower-wings* with 2 darker streaks and a single dot. Beneath alike.

Bifidalis Wings yellowish with 2 brown bands, the hinder-one bifid at each end.

Inhabits *American Islands*.

Body yellowish: *upper wings* with a brown dot between the bands and a marginal streak of brown dots: *lower-wings* cinereous.

Nivealis Wings grey-brown with 2 white spots on the rib: body snowy.

Inhabits *Germany*.

Upper-wings with a waved black streak behind and marginal dots: *lower-wings* above brown, beneath pale with 2 black dots a black streak and marginal dots: *body* beneath and *legs* black.

Elatalis Upper-wings white with an interrupted brown rib and sub-marginal band.

Inhabits *Austria. Wien. Verz. 121. 9.*

Body white: margin of the *upper-wings* dotted with black: *lower-wings* brown with a pale rib, the tip dotted with brown, beneath white with a brown lunule in the middle and streak behind.

Centralis Wings cinereous with a brown dot in the middle.
Inhabits *American Islands*; small,

Pifloralis Wings testaceous, the base spotted with yellow, a yellow band in the middle and marginal gold streak.

Inhabits *Germany*; small, cinereous.

Lower-wings brown with a pale outer margin.

Pudoralis Upper-wings white with a rosy fillet.

Inhabits *Austria. Wien. Verz. 124. 40.*

Lower-wings dull cinereous.

Flavialis Upper-wings sulphur with 2 brown streaks and kidney-shaped spot in the middle.

Inhabits *Austria. Wien. Verz. 121. 5.*

Head and *thorax* yellow: *abdomen* cinereous: *lower-wings* paler with a single brown streak. Beneath all varied with cinereous and brown.

Marmoralis Wings white variegated with green, the tip brown with a yellowish margin dotted with black.

Inhabits

Inhabits *East India*.

Upper-wings white at the base with broad green band and rings, beneath yellowish with a brown streak or two.

Orientalis *Upper-wings* brownish ; lower-ones yellowish with a black marginal band.

Inhabits *East India*.

Upper-wings ferruginous-ash-colour with an obsolete brown streak or two and dot in the middle. Beneath all alike.

Meritalis All the wings yellowish with whitish streaks and rosy hind-margin.

Inhabits *Paris*. *Body* yellowish.

Upper-wings with a marginal yellow spot near the rib, the rib dotted with white and brown : beneath yellowish with brown streaks.

Polygonalis *Upper-wings* cinereous with a gilt hind-margin.

Inhabits *Austria*. *Wien. Verz.* 121. 8.

Rib of the *upper-wings* darker as far as the middle : *lower-wings* gilt at the tip only.

Sanguinalis *Wings* yellow with 2 red bands, the first dilated outwardly and perforated.

Inhabits *Europe*. *Wien Verz.* 124. 41.

**Sticticalis*. *Wings* grey with a yellow spot in the middle and marginal streak.

Inhabits *Europe*.

The spot in the middle is notched each side and the marginal streak has a contiguous smaller one. Beneath all variegated.

Poralis. *Wings* dusky with a yellow spot in the middle and 2 streaks, the hinder-one with a fainter spot.

Inhabits *Italy*.

Upper-wings with a yellow patch at the base, spot in the middle ending both ways in an obsolete brown dot and 2 streaks behind, the first waved the other spotted. Beneath cinereous with a yellow band.

Fascialis. *Feelers* recurved : wings brown with 2 yellow bands.

Inhabits *New Holland*. In the museum of *Sr Jof. Banks*.

Head yellow : *thorax* brown, the fore-part yellow : *lower-wings* immaculate.

- Fimbrialis* Wings yellowish with brown specks dot and hind-margin.
 Inhabits *Amsterdam Island*.
Body yellowish : *lower-wings* yellow with a brown streak dot and hind margin.
- Politalis* Wings brown with a yellow band in the middle and marginal spot.
 Inhabits *Austria. Wien Verz. 121. 4.*
Upper-wings with 2 connected brown rings in the upper-band the tip brown with a yellow spot or two.
- Repandalis* Wings shining brownish with a white flexuous streak in the middle; lower-ones ferruginous with a black band in the middle.
 Inhabits *East India* ; small.
Upper-wings with a thin white margin: *lower-wings* beneath dusky with a white band in the middle.
- Crocalis.* Wings jagged yellow with a flexuous brown band in the middle.
 Inhabits *France.*
Head brown: *antennæ* pale: *wings* yellow at the base with indistinct rufous streaks and behind the band a nearly obsolete wavy brown streak, the hind-margin jagged and fringed with white.
- Strigalis.* Wings grey with 2 yellow streaks and a purplish rib.
 Inhabits *Germany.*
Head and *thorax* subferruginous : *lower-wings* brown with darker streaks.
- Recurvalis* Feelers recurved ; wings brown with 2 white bands on the upper-pair, the posterior of which is abbreviated.
 Inhabits *American Islands.*
Head yellowish : *thorax* brown: *lower-wings* brown with a white band in the middle.
- Erigalis.* Wings ferruginous with a yellow streak, the thicker-margin dotted with white.
 Inhabits *Sweden. Wien. Verz. 120. 7.*
- Curtalis* Wings greenish yellow with a ferruginous streak behind.
 Inhabits *Austria. Wien. Verz. 120. 8.*

Cespitalis Upper-wings dusky variegated; lower-ones black with 2 yellow streaks.

Inhabits *Austria*. *Wien. Verz.* 123. 32.

Upper-wings vary much in their colour.

Saccharalis. Wings striate cinereous, the hind-margin dotted with black.

Inhabits *South America*, in the Sugar cane, which it dries up and destroys: is very destructive to plantations.

Body small cinereous immaculate: upper-wings sometimes immaculate: lower-wings white immaculate.

Larva 6-footed, pale hyaline with a reddish-brown head and 8 dots each side: pupa naked long, chestnut-brown with numerous short raised spines before.

Fluentialis. Wings brown with a white dot and 2 flexuous streaks on the upper-pair.

Inhabits *Rotterdam Island*. In the museum of Sir *Jos. Banks*.

Lower-wings with 2 white waved streaks. Beneath all alike but paler.

**Purpuralis* Wings purplish with 2 yellow bands on each.

Inhabits *Europe*. *Schæff. Icon. tab.* 209. fig. 5. 6. ?.

Porphyralis Wings brownish with a fulvous spot on the rib; lower-ones black with a white streak.

Inhabits *Austria*. *Wien. Verz.* 317. 50.

Upper-wings brownish at the base with 2 indistinct darker spots the tip dull purplish, the colours divided by the fulvous spot. Beneath whitish at the base with a black streak, the tip brown with whitish streaks.

Punicalis. Wings purple with yellow lines at the base and 2 yellow dots in the middle.

Inhabits *Austria*. *Wien. Verz.* 317. 49.

Minialis. Wings purplish; the rib variegated with yellow.

Inhabits—; size of *Ph. purpuralis*.

Head and thorax brownish: abdomen yellow. Hind-margin of the upper-wings darker with a cavity at the tip fringed with white, beneath with a yellowish disk; lower-wings deeper purple with waved pale streaks.

Apicalis. Wings deep yellow with a brown streak, the tip obscure purple with a yellow spot and 2 marginal white dots.

Inhabits *Surinam*.

Antennæ dusky : *head* and *thorax* yellow : *lower-wings* yellow with a brown dot in the middle and tip.

4-punctalis Wings brown with 2 fulvous spots on the upper-pair.

Inhabits *Austria*. *Wien. Verz.* 124. 43.

Lower-wings brown immaculate.

Argentalis Wings brown-cinereous with 3 silvery waved streaks on the upper-pair and 2 on the lower.

Inhabits *Italy*. *Wien. Verz.* 122 15.

All the *wings* varied with cinereous and brown ; upper pair with a small black dot between the streaks, the hind-margin of all fringed and varied with brown and silver.

**Costalis.* Wings purplish with 2 yellow costal spots and hind-margin.

Inhabits *England*. *Hybn. Beytr.* 4. tab. 2. fig. 11.

Head yellow : *thorax* and *abdomen* purplish.

Nigralis. Wings black immaculate.

Inhabits *Italy*; entirely black.

**Atralis.* Wings black with 2 white spots on each.

Inhabits *Europe*. *Donovan.* viii. tab. 206. fig. 4.

Thorax with a white lateral line : *abdomen* black annulate with white.

Pollinalis Wings powdered black with a white line at the base and 2 dots.

Inhabits *Austria*. *Wien Verz.* 124. 44.

Thorax black immaculate.

Dentalis. Wings yellow with a purple band indented within.

Inhabit *East India*; small.

Rosalis. Wings deep yellow with 2 purple bands.

Inhabits *Barbary*.

Body yellow ; the first band dilated at the outer margin and lunate, the other broader and straight : *lower-wings* brown-ash.

Minutalis Wings whitish with an oblique brown streak and hind-margin.

Inhabits *American Islands*. minute.

Velutalis Wings ferruginous, dusky at the tip.

Inhabits *American Islands*; small.

Body ferruginous : *wings* beneath paler at the base and darker at the tip.

Noctua.

a. *Wings expanded.*

- Zenobia.* Wings variegated, beneath ferruginous with black waves.
Inhabits *Surinam*. *Cramer* 10. *tab.* 115. A. B.
All the *wings* varied above with white blue and ferruginous: on the upper-pair are 2 distinct white spots, the lower-one larger and dotted with red: beneath all ferruginous with a black dot and waved streaks.
- Patroclus.* Wings tailed, both surfaces alike, brown with an oblique linear white band and tip.
Inhabits *India*. *Cramer*. 10. *tab.* 109. A. B.
Nat. Miscell. *tab.* 435. *Clerk.* *ic. t.* 37. *fig.* 1.
- Strix.* Both surfaces of the wings alike, reticulate and clouded with white and black.
Inhabits *South America*. *Cram.* 8. *tab.* 87. A. t. 88. A.
Larva naked black with greenish rings and lateral line.
- Macrops.* Wings indented brown undulate with black; upper-pair with a large ocellar chefnut-brown spot.
Inhabits *China*. *Cramer*. 15. *tab.* 171. A, B.
The spot on the *upper-wings* surrounded with a black ring but without pupil. Beneath brown with 2 white streaks, one of dots the other of lunules.
In some specimens, probably the females, the outer margin of the *lower-wings* is reflected and forms a pouch which contains a large quantity of fine silk.
- Iphianassa.* Wings indented brown with ferruginous waves; lower-ones black at the base with a blueish streak.
Inhabits *Surinam*. *Cramer* 15. *tab.* 172. A.
Upper-wings with 2 subocellar ferruginous spots.
- Aluco.* Wings indented chefnut-brown with black waves and 3 marginal yellow spots.
Inhabits *China*. *Cramer*. 15. *tab.* 173. A. B.
In the middle of the *upper-wings* are 2 oblong cinereous spots speckled with brown; beneath brown: *lower-wings* waved with black and white: *fore-branches* annulate with white.
- Caprimulgus.* Wings indented brown with black waves; upper-pair with a blueish eye and double black pupil.
Inhabits *China*.

Wings beneath brown with a black curve at the base and streak of white dots at the tip.

Odora. Wings indented brown with black waves; upper-pair with a black eye in which is a blue lunule; lower-ones with a contiguous smaller one.

Inhabits *Surinam*. *Cram.* 15. *tab.* 169. A, B.

The other *sex* has a common band in the middle of the wings composed of 3 white streaks.

Mycerina. Wings indented; upper pair with a blue streak and waves; lower-ones with 2 white streaks and a blue one.

Inhabits *Surinam*. *Cram.* 15. *tab.* 172. B.

Upper-wings with a blue spot at the base, the hinder-one larger and kidney-shaped, in the middle a chain of blue lunules ending in white both sides, towards the hind-margin a black waved streak: *lower-wings* with a blue streak in the middle and more obscure ones.

Hieroglyphica. Wings indented black; upper-pair with an abbreviated white band and subocellar spot; lower-ones with a double sinuate margin.

Inhabits *East India*. *Cram.* *tab.* 174. *fig.* F.

Body silky black immaculate; *upper-wings* with an ocellar spot in the middle with a double chestnut-brown iris and blue ring: beneath black with a white abbreviated band and 2 dots: *lower-wings* black immaculate.

Ukula. Wings indented undulate with black; upper-pair with an abbreviated white band and subocellar spot.

Inhabits *India*. *Cram.* 15. *tab.* 174. E.

Upper wings brown with a subocellar spot in the middle, the iris black with a flexuous blue line, pupil chestnut-brown: *lower-wings* waved with brown and black. Beneath brown with an interrupted white band on the upper-pair and spot on the lower-ones.

Entabilis. Wings indented brown waved with black; tail ferruginous.

Inhabits *East India*.

Itynx. Wings indented brown with ferruginous waves, fulvous in the middle with a double black spot with white iris.

Inhabits *Coromandel*; small.

In the middle of the *upper-wings* is a ferruginous ocellar spot and behind this 2 connected longer-ones the outer fulvous with a black and white iris. Beneath all brown, the hind-margin dotted with white and 2 black spots at the inner margin of the upper-pair.

Noctilio. Wings suberous brownish with waved black streaks; lower-ones white at the tip with a black spot.

Inhabits *East India*.

Upper-wings spotted with yellow in the middle and waved with black, at the thicker margin are 3 white dots. Beneath all grey waved, the tip whitish, with 3 black lines on the upper-pair and a black spot on the lower-ones.

Chalcis. Wings streaked with brown; lower-ones with a streak of white dots beneath.

Inhabits *South American Islands*.

Body cinereous: *antennæ* testaceous: *wings* cinereous with a common obsolete paler streak; *upper-pair* with a brown streak, then a black dot, then an incurved streak in the middle and behind this a common brown one; beneath dusky with a common pale streak: *female* darker with a double spot in the middle of the upper-wings.

Larva glabrous grey with 2 square black spots before and 4 triangular ones behind, beneath green.

Spiralis. Wings waved with grey and brown; upper-pair with a spiral convolute black line.

Inhabits *China*.

Wings beneath reddish with a brown dot at the base and 3 bands and marginal lunules: *abdomen* above grey with brown belts, beneath red with lateral black dots.

Crepuscularis. Wings brown with a white band and marginal spot; upper-pair with an eye.

Inhabits *America*. *Cramer*. 13. tab. 159. A.

One *Sex* has a double eye with a pupil, the other a blind eye.

Trogodyta. Wings brown with black waves and a common white streak; upper-pair with a common shining eye.

Inhabits *Guinea*.

Upper-wings with a large eye dotted with blue with a large lateral black pupil blue lunule and black iris, behind this a common white streak and afterwards a streak of small black lunules. Beneath all brown with a broad white band behind which are white lunules joined to the band.

Vampyrus. Wings brown-cinereous with 3 darker streaks, the hinder-one punctured.

Inhabits *East India*.

Wings beneath paler with a darker dot at the base streak in the middle and dots behind.

Squalida. Upper-wings brown at the base and cinereous at the tip ; all beneath with a waved white streak.

Inhabits *Coromandel*.

Lower-wings with a large blue spot in the middle, beneath brown with a streak of white lunules in the middle : *legs* brown with a white dot at the base of the hind-thanks, the tip with 2 pair of spines.

Pandrosa. Wings blackish ; upper-pair with a snowy lunule and fillet.

Inhabits—*Cramer. tab. 77. D.*

Antennæ pectinate, the rays ferruginous : all the *wings* with a paler hind-margin. Beneath grey with a paler streak and 2 black dots on the upper, one on the lower-pair.

Umminea. Wings entire dusky ; upper-pair with a double snowy spot in which are 2 fulvous rings.

Inhabits *Java. Cramer 23. tab. 276. F.*

All the *wings* with a paler hind-margin ; upper-pair with a black lunule in the middle and abbreviated streak behind.

Vespertilio Wings entire cinereous with central black dots and waves behind.

Inhabits *Tranquebar* ; large.

Head brown : *thorax* cinereous, the fore lobe brown : *abdomen* fulvous : *upper-wings* with a streak of black dots behind ; *lower-wings* without the central dots. Beneath fulvous with a brown lunule and 3 streaks.

Achatina Wings green-brown with a broad white band and cinereous margin ; angle of the tail with a black dot.

Inhabits *East India. Cram. tab. 218. A.*

Wings beneath grey with waved brown streaks : hind-margin cinereous with black dots.

This is probably the same as *Bomb. algiva* of Linné. SMITH.

Illibata. Wings brown with a black spot at the tip.

Inhabits *India. In the museum of Sir Jos. Banks.*

b. *Wings* flat incumbent ; *thorax* smooth.

Dioscorea. Wings indented grey ; lower-ones yellow with a black lunule and border.

Inhabits

Inhabits *India*. *Cram.* 3. t. 30. A, B, C. 7. t. 77. fig. 7.
Inner-margin of the *wings* often emarginate.

Materna. Lower-wings fulvous with a black spot, the margin black dotted with white.

Inhabits *India*. *Cram.* 15. tab. 174. B. 27. tab. 267. E.
The colour of the *upper-wings* is very variable.

Salaminia. Wings whitish with a shining green disk in which is a rufous nerve; lower-ones fulvous with a black spot and margin.

Inhabits *East India*. *Cramer* 15. tab. 574. A,
Thorax greenish crowned with a large raised crest behind: *upper-wings* with a greenish rib: hind-margin of the *lower-ones* black dotted with white. Beneath upper-pair brown with an abbreviated white band.

Ancilla. Wings brown-cinereous with 3 darker streaks; lower-ones yellow with 2 abbreviated black bands.

Inhabits *East India*.

Abdomen yellow with black belts: *upper-wings* with a large marginal darker spot between the second and third streak. Beneath all yellowish speckled with black.

Microbæa. Upper-wings cinereous; lower-ones reddish with a black spot.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Abdomen reddish above: *upper-wings* with a brown curve in the middle.

Serva. Upper-wings grey with 4 brown dots and streaks; tip of the lower-ones black spotted with white.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Wings beneath all grey with 2 brown streaks, and a streak of black dots towards the hind-margin.

Tirrhæa. Upper-wings green tipped with brown; lower-ones yellow with a black spot.

Inhabits the *Cape of good hope*. *Cramer* 15. tab. 172. ?.

Body fulvous: *upper-wings* with 2 black spots.

Paphos. Upper-wings brown with white veins; lower-ones varied white and black

Inhabits *Siam*. In the museum of Sir *Jos. Banks*.

Thorax fulvous dotted with black: *antennæ* simple black: *abdomen* fulvous with a line of black dots above and one each side: *upper-*

per-wings with a white inner-margin : beneath brown with a white spot in the middle.

Chione. Wings white ; upper-pair immaculate ; lower-ones with greenish streaks at the tip.

Inhabits *East India*; *Cramer. tab. 398. M.*

Body white dotted with black : *abdomen* fulvous on the back :

upper-wings beneath black with a few white lines and spots.

The *upper-wings* are rarely red with white lines.

Astrea. Both surfaces of the wings alike, brown with a hyaline disk : thorax snowy dotted with black.

Inhabits *New Holland.* *Drury. Inf. 2. tab. 28. fig. 3.*

Antennæ brown, the first joint red : *feelers* red with a black dot in the middle and at the tip : *head* snowy with 2 black dots :

abdomen above red beneath snowy with 2 streaks of black dots on the sides : all the *wings* brown, the base white with small

black dots, the disk semitransparent with a brown lunule.

Eugenia. Body dotted with black : wings snowy with a hyaline disk : abdomen red on the back.

Inhabits *Inaia.*

Head and *thorax* white with black dots : *abdomen* snowy with a red back : *legs* red : *lower-wings* immaculate.

Narcissus. Upper-wings brown with a white fillet : lower-ones yellow tipped with blue.

Inhabits *China.* *Cramer. 7. tab. 73, E. F.*

Thorax brown dotted with white : *abdomen* fulvous dotted with black.

Bajularia. Upper-wings brown with a white streak and 2 spots ; lower-ones yellow with black spots.

Inhabits *Amboina.* *Cramer. 15. tab. 172. fig. 6.*

Body brown : *abdomen* fulvous : *lower-wings* with 2 black bands, the hinder-one composed of spots.

Lala. Wings subtestaceous with yellow streaks, in the lower of which are about 8 testaceous dots.

Inhabits *France.*

Upper-wings beneath brown with a pale margin : *lower-ones* brown, beneath pale ash with a brown dot and streak.

Polita. Wings shining brown with a streak of ferruginous dots behind.

Inhabits *Austria.* *Wien. Verz. 85. 3.*

Larva naked pale testaceous with scattered black dots.

Tetra.

- Tetrz.* Wings shining brown with 4 white costal dots ; lower-ones cinereous with a mixture of ferruginous.
Inhabits *Austria*.
Head and thorax brown : *wings* beneath cinereous : *antennæ* pectinate.
- Livida.* Upper-wings glossy-black ; lower-ones ferruginous edged with brown.
Inhabits *Austria*. *Wien. Verz.* 85. 13.
Larva tapering each way greenish-yellow with a red gloss, a darker dorsal line and thin lateral pale one ; *head* paler.
- Irrorata.* Wings cinereous speckled with black with a yellowish patch in the middle and obsolete streak behind.
Inhabits *East India* : *body* cinereous.
All the *wings* beneath grey.
- Quercus.* Wings grey with 3 brown streaks.
Inhabits *Europe*, on the Oak. *Wien Verz.* 84. 5.
- Notaculz.* Wings cinereous with 3 stigmata between 2 yellowish streaks.
Inhabits—*Body* cinereous.
Upper-wings with 3 yellowish streaks ; *lower-ones* above brownish. Beneath all cinereous speckled with brown.
- 4-punctata.* Wings grey with brown waves and 4 black dots at the outer margin.
On the *Valeriana Locusta*. *Wien. Verz.* 72. 6.
Upper-wings with small obsolete stigmata, the hinder-one dotted with white : *lower-wings* with a marginal streak of brown dots.
- *Pallens.* Wings pale immaculate ; the hind-margins beneath dotted with black.
Inhabits *Europe*, on the *Taraxacum*. *Clerk. Ic. tab.* 4. fig. 6.
Larva hairy black speckled with cinereous and 4 white lines : *pupa* folliculate brown.
- Domestica.* Wings cinereous with black streaks, the rib with 7 black dots at the base and 3 white ones at the tip.
Inhabits *Keil*. *Body* hairy cinereous.
Upper wings with 2 spots in the middle, the first snowy, the second kidney-shaped : *lower-wings* beneath whitish with a brown streak and central dot.

Nervosa. Wings lanceolate brown with pale streaks.

Inhabits *Austria*. *Wien. Verz.* 84. 12.

Lower-wings white immaculate, beneath brown edged with white.

Sida. Upper-wings cinereous at the base with black dots, the tip brown with cinereous streaks; lower-ones fulvous edged with black.

Inhabits *Guinea*, on the *Sida*.

Head cinereous dotted with black: *thorax* cinereous with 2 black lines: *abdomen* fulvous with 3 lines of black dots: *upper-wings* beneath fulvous at the base and tip with brown; *lower-wings* fulvous edged with black, beneath a black dot in the middle.

Vaccinii. Wings cinereous with 2 brown dots in the middle and band behind, after which are a few black dots.

Inhabits *Sweden*, on the *Vaccinium*. *Wien. Verz.* 85. 2.

Larva brown-ferruginous with a paler lateral line, neck and tail black streaked with white.

Depressa. Wings plumbeous edged with yellow; head red.

Inhabits *North America*.

Antennæ pectinate black: *thorax* plumbeous with a red spot: *abdomen* above rufous with a line of black dots down the middle, beneath plumbeous: *lower-wings* immaculate.

**Complana.* Wings with a paler outer margin; lower-ones entirely yellow.

On the Oak. *Albin. Inf. tab.* 70. fig. G. H.

Upper-wings sometimes entirely pale.

Larva hairy black with 2 lines of pale dots.

**Quadra.* Wings yellow with 2 blue dots on the upper-pair.

2. Wings cinereous; *thorax* yellow.

On the Pine and Oak. *Wilks pap.* 24. *tab.* 3. a. 17.

Larva hairy with red dots and a black spot on the back, the sides with black lines: *pupa* folliculate black.

Bicolora. Wings yellow with a broad brown hind-margin.

Inhabits *Sierra Leona*.

Head and *thorax* yellow: *upper-wings* with a small subferruginous dot in the middle. Beneath all pale with a brownish margin.

Cribraria. Upper-wings cinereous dotted with black at the base ; lower ones yellow.

Inhabits *East India*.

Feelers cinereous with 2 black dots at the tip : *head* cinereous with 4 black dots : *thorax* cinereous dotted with black : *upper-wings* with brown waves at the tip : *lower-wings* beneath with a black dot in the middle : *abdomen* yellow with 3 lines of black dots.

Delia. Wings convolute yellow with 2 blue bands on the upper-pair.

Inhabits *Rotterdam Island*. Museum of Sir *Jos. Banks*.

Head fulvous : *antennæ* pectinate black : *feelers* fulvous at the base and tip with black : *thorax* fulvous, blue behind : *abdomen* yellow : *lower-wings* immaculate : *legs* blue : *thighs* yellow at the base.

Caprea. Wings flexuous cinereous with 3 oblique whitish streaks and 2 stigmata.

Inhabits *Germany*, on the Willow.

Lower-wings brown with a cinereous margin. Beneath cinereous with brown specks dot in the middle and streak behind.

Larva solitary naked green.

Convoluta. Wings convolute pale with yellow veins ; upper-pair with 2 angular blue-black spots.

Inhabits *Malabar*. *Cramer* 18. tab. 208. D.

Narbonea. Upper-wings cinereous with 2 yellow streaks and a brown dot behind.

Inhabits *Southern Europe*.

The brown dot before the hind-margin is surrounded by a yellow half ring.

Boleti. Upper-wings cinereous speckled with brown ; lower-ones brown ; *antennæ* pectinate.

Inhabits *Kiel*, on the *Boletus versicolor*.

Lower-wings with a cinereous thicker margin.

c. *Wings flat incumbent ; thorax crested*.

* *Sponsa*. Upper-wings undulate with brown : lower-ones red with 2 black bands : *abdomen* entirely cinereous.

On the Oak. *Merian Europe*. 2. tab. 14.

Reaum. 1. tab. 32. fig. 1—7. *Roes.* 4. tab. 19.

Larva studded, head blueish, body variegated : *pupa* folliculate, blueish.

* *Nupta*.

- * *Nupta*. Wings cinereous varied with brown; lower-ones red with 2 black bands : abdomen hoary beneath.
 On the Willow. *Donovan*, vii. *tab.* 224.
Wilks pap. 33. *tab.* 1. a. 1. *Roes phal.* 2. *tab.* 15.
Larva grey-brown with a red wart or two near the tail and lateral reddish spots : *pupa* folliculate blueish-black.
- * *Pafla*. Wings greyish slightly waved; lower-ones red with 2 black bands : abdomen above red.
 On the Oak. *Merian Eur.* 3. *tab.* 38. *fig.* 139.
Wilks pap. 17. *tab.* 2, 6, 1. *Fyesh Arch.* *tab.* 5. *fig.* 3.
Abdomen above rosy : *lower-wings* rosy, the anterior band hardly reaching the inner-margin.
- Promissa*. Wings indented varied with cinereous and brown and with 2 black indented streaks; lower-ones red with 2 black bands.
 Inhabits *Austria*, on the Oak. *Wien. Verz.* 90, 6.
Thorax grey with a black band and specks.
- Spectrum*. Wings dull cinereous with 6 darker waved streaks.
 Inhabits *Southern Europe*.
Body brown : *tongue* testaceous : margin of the *upper-wings* with obsolete dots : *lower-wings* dusky. Beneath all cinereous with a brown streak in the middle.
- * *Fraxini*. Wings indented grey with waved dark bands; lower-ones above black with a blueish band.
 On the *Ash* and *Poplar* *Donovan*. v. *tab.* 171, 172.
Merian Europ. *tab.* 46. *Wilks pap.* 45. *tab.* 1. a. 2.
Larva cinereous speckled with black : *pupa* reddish-brown with black stigmata.
- Vidua*. Wings indented cinereous clouded; lower-ones above black with a white denticulate margin
 Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.
- Dotata*. Wings indented dusky with a blueish hind-margin; lower-ones black with an abbreviated blueish band.
 Inhabits *East India*.
Antennæ reddish : *head* and *thorax* brown : *upper-wings* with a broad paler band in the middle, the blue margin streaked with black. Beneath brown.
- * *Formosa*. Wings purplish with a yellow fillet and 2 spots; lower-ones fulvous with a black spot and margin.

Inhabits

Inhabits *Sierra Leona*.

Head blackish with 2 white lines: *thorax* purplish: *abdomen* yellow: *upper-wings* beneath yellow, the tip brown with 2 yellow spots.

**Pronuba*. Lower-wings testaceous with a black nearly marginal band.

Inhabits *Europe*. *Aibin. Inf. tab.* 72. C, D.

Merian Eur. tab. 49. *Wilks pap.* 1. *tab.* 1. a. 1.

Upper-wings vary very much in colour.

Larva greenish with 2 black interrupted lines down the back: *pupa* naked red.

Dimidiata. Base of the upper-wings cinereous dotted with black, the tip brown with white lines; lower-ones yellow edged with black.

Inhabits *Guinea*

Head and *thorax* grey: *abdomen* yellow with 3 rows of black dots: *upper-wings* beneath brown with a yellow base: *lower-ones* beneath with a black dot in the middle: *legs* above brown, beneath yellow.

Cysterea. Upper-wings variegated with a white streak; lower-ones yellow edged with brown.

Inhabits *Sweden*; less than *P. pronuba*.

Upper wings varied with cinereous and brown with a few spots in the middle, beneath dusky: *lower-ones* beneath pale.

Orbona. Upper-wings liver-colour with streaks of obsolete black dots; lower-ones yellow with a brown lunule and streak behind.

Inhabits *Germany*. *Naturf.* 9, 125. 57.

Head and *thorax* liver-colour: *upper-wings* beneath with a large black spot; *lower-ones* beneath with a liver-colour lunule and inner-margin.

Solani. Upper-wings varied with greenish and grey; lower-ones rufous with a broad submarginal black band.

On the *Solanum tuberosum*. *Naturf.* 9. *tab.* 1. *fig.* 3.

Upper-wings with a few white dots near the tip and a small black spot near them.

Larva fat rugged cinereous: *pupa* naked red-brown.

Linogrisea. Wings indented variegated, ferruginous at the tip; lower-ones yellow edged with brown.

Inhabits *Austria*. *Ésp. Phal.* 4. *tab.* 29. *fig.* 3.

Larva reddish on the back with a black dot and oblique lines.

Hymenæa.

Hymenæa. Wings grey with angular black streaks: lower-ones yellow with 2 black curved bands.

On the *Prunus spinosa.* *Hbn. Revr.* 3. *tab.* 3. *fig.* 5.

Larva greenish-yellow with 2 lines of tubercles and projecting elevated tooth in the middle.

Rapta. Wings variegated; body above black with a white dorsal fillet.

Inhabits *Tranquebar*, large.

Antennæ ferruginous with a white shaft: *feelers* large white: *head* and *thorax* above black with a whitish line down the middle: *lower-wings* varied with pale and black. beneath yellowish with a transverse brown spot at the angle of the tail.

Epione. Wings variegated with 2 white dots; lower-ones black edged with white.

Inhabits *North America.* *Cram.* 9. *tab.* 102. E, F.

Upper-wings blueish varied with rufous and black, the disk beneath black with a white spot and streaks: *lower ones* black in the middle, the base and tip liver-colour, the hind-margin white.

Paranympha. Upper-wings brown with angular white and black streaks; lower-ones yellow with 2 curved black bands.

Inhabits *Germany.* *Roes. Inf.* 4. *tab.* 18. *fig.* 1. 2.

Larva naked cinereous with a yellow tubercle on the back and sharp reflected one on the tail, beneath dotted with black: *pupa* loosely folliculate reddish-brown.

Neogama. Wings indented with grey and footy clouds and flexuous lines, the margin dotted; lower-ones yellow with 2 continued black bands.

Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

Confers. Wings clouded with grey and testaceous and marked with tongue-shaped lines: lower-ones yellow with 2 flexuous continued black bands.

Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

Amasia. Wings varied with cinereous and whitish with a fulvous streak; lower-ones yellow with 2 black bands, the outer-one interrupted.

Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

**Fimbria.* Upper-wings clay-colour with a paler tip; lower-ones pale orange with a broad black band.

Inhabits

Inhabits *Germany and England*. *Donovan*. vi. tab. 208:
Larva smooth brownish with pale lines and black stigmata: *pupa*
blueish-black.

Janthina. Wings grey with a whitish patch; lower-ones black with a
ferruginous margin and spot in the middle.
Inhabits *Germany*. *Fyest. Arch.* 3. tab. 16.
Upper-wings with a few white lunules in the middle:
Larva whitish with brown waves and black dots behind: *pupa*
folliculate reddish-brown.

Meretrix. Wings grey with a central brown lunule between 2 white
streaks; lower-ones whitish at the base.
Inhabits *Hamburg*.
Upper-wings with a brown dot at the base, the hind-margin
darker with a streak of black dots: *lower-ones* brown at the tip:

Alienata. Wings fulvous with ocellar yellow spots; lower-ones yellow
with a black spot and margin.
Inhabits *Sierra Leona*.
Body yellow: all the spots on the *upper-wings* surrounded with a
black ring.

Paphia. Wings cinereous with black streaks; lower-ones fulvous at
the base and black at the tip.
Inhabits *South American Islands*.
Wings beneath all brown, lower ones yellow at the base.

Augur. Wings brown with black characters.
Inhabits *Germany*.
Lower-wings brown immaculate. Beneath all grey with a central
brown dot and streak behind on the lower-ones.

Segetis. Wings ferruginous with darker waved streaks; lower-ones
whitish.
Wien. Verz. 252. tab. 1. a. 3 b. 3.
Very common in the South of *Europe* where it is very destructive
to the roots of corn.
Antennae of the male pectinate.
Larva naked livid, the segments with 4 black dots, head with 3
streaks.

**Straminea* Wings straw-colour with a double blackish spot in the
middle of the outer margin and a darker submarginal
band; lower-ones with a broad brown border.
Inhabits *England*. *Donovan's Eng. Inf.* ii. tab. 61.

Antennæ, tongue and whole body pale yellow.

Upper-wings with a few black dots, the band near the margin with a row of 9 white dots, the margin itself yellowish.

Ambusta. Wings grey-brown with 3 yellowish streaks and ring in the middle and a waved streak behind.

Inhabits *Austria*, on the *Lichen parietinus*. *Wien. Verz.* 83, 16.

Antennæ ferruginous whitish at the base: *head* and *thorax* reddish-grey: *lower-wings* whitish tipped with brown.

Larva naked brown with white lines.

Subtusa. Wings brown cinereous with 4 yellowish streaks and 3 rings.

Inhabits *Austria*, on the *Asp.* *Wien. Verz.* 88, 17.

Lower-wings brown: *antennæ* pale.

Larva naked whitish with white lines, head black with a white front.

Refusa. Wings slightly emarginate grey-brown with 3 paler streaks.

Inhabits *Austria*, on the *Willow*. *Wien. Verz.* 88, 18.

Larva naked green with 3 dorsal lines and a lateral one.

Mercatoria. Wings ferruginous with brown waved streaks; lower-ones black at the tip with white spots.

Inhabits *India*. *Cramer.* 6, tab. 62. C, D.?

Upper-wings with a few brown spots: *lower-wings* cinereous at the base, beneath grey with darker waved streaks.

Partita. Wings slightly indented grey with a black spot at the base, 2 reddish-brown stigmata and white streak in the middle.

Inhabits *India*.

Antennæ reddish-brown: *head* and *thorax* cinereous: *lower-wings* cinereous tipped with brown. Beneath all cinereous.

* *Maura*. Wings indented dark brown with irregular cinereous marks; beneath a whitish border.

Inhabits *Germany* and *England*. *Donovan* vii. tab. 230. fig. 1.

Harris Inf. tab. 1. fig. a, b. *Wien. Verz.* 90, 1.

Lunaris. Wings indented brownish, grey in the middle with a black dot and brown lunule.

Inhabits *Austria*. *Hybn. Beytr.* tab. 2, fig. 2.

Antennæ brown with a white base: *upper-wings* grey at the base, then brown with a cinereous streak, behind the middle a cinereous streak and afterwards brownish with an obsolete indented cinereous band with black dots before the margin: *lower-wings* cinereous at the base and tip with brown.

Larva

Larva brown-ferruginous with pale dots, before are 2 fulvous dots and 2 tubercles at the tail.

Luforia. Wings glaucous with a black lunule; thorax black before. Inhabits *Austria*. *Reaum Inf*, 1. tab. 14. fig. 10.

Larva cinereous with blackish dots and 2 black lines and an interrupted yellow one in the middle.

Cracca. Wings striate cinereous with a white dot and lunule of black ones; thorax black before.

Inhabits *Austria*. *Hybn. Beytr*. 3. tab. 4. fig. W.

Upper-wings with an obsolete darker band behind, the rib with 4 brown dots.

Larva varied with brown and grey, tail bifid.

* *Libatrix*. Wings jagged reddish grey with 2 white dots and 2 whitish streaks.

Inhabits *Europe*. *Donovan*. vi. tab. 216.

Albin Inf. tab. 32. fig. 50. *Harris*. tab. 1. fig. c, d.

Larva naked green with white lines and reddish stigmata: *pupa* folliculate blue-black.

* *Plecta*. Wings brown with a white thicker margin.

Inhabits *Europe*. *Kleman*. *Inf*. tab. 33.

Larva green with a reddish head: *pupa* folliculate black.

G. nigrum. Wings brown cinereous with a black spot whitish without and a black line at the tip.

Inhabits *Austria*. *Clerk Icon*. tab. 1. fig. 3.

Thorax brown, white before with a ferruginous streak: *lower-wings* whitish.

Larva varied with cinereous and brown with transverse black lateral lines and a lateral pale one.

Signum. Wings with 3 brown spots, the rib grey at the base; thorax brown, reddish before.

Inhabits *Austria*. *Wien. Verz*. 78. 8.

Upper-wings with a streak of black dots on the hind-margin: *lower-wings* dusky.

Nun atrum. Wings brown with cinereous streaks and 2 central black lines, the first curved.

Inhabits *Austria*. *Wien. Verz*. 78. 9.

Antennae pectinate ferruginous: rib of the *upper-wings* behind cinereous with black dots beyond the middle: *lower-wings* brown with a white central dot beneath.

Larva 3 glabrous green with white dots and a snowy lateral line.

- Cincla.* Wings brown with a grey spot in the middle surrounded with a black flexuous line, the pupil black.
 Inhabits *Austria.* *Wien. Verz.* 78. 10.
Antennae pectinate brown: in the middle of the grey spot is a transverse black dot: tip of the wings grey with a dotted margin: lower-ones brown.
- Rectangula* Wings brown with 4 black dots in the middle, 2 of which are costal: thorax black before.
 Inhabits *Austria.* *Wien. Verz.* 78. 15.
Head and *thorax* brown-ferruginous: upper-wings with a few black dots at the base, the rib dotted with white.
- Polymita* Wings clouded with cinereous and brown; angle of the tail with a black spot.
 Inhabits *Europe.* *Wien. Verz.* 72. 4.
Thorax cinereous with 2 black curves before and 3 white spots behind.
- **Brassica.* Wings clouded with cinereous with a black hook at the first spot.
 Inhabits *Europe.* *Albin. tab.* 28. *Mer. Eur. tab.* 81.
Larva brown or green with a darker dorsal line and white stigmata: pupa reddish brown.
- Flammatra* Wings grey with a fulvous black line at the base: thorax with a black band.
 Inhabits *Austria.* *Wien. Verz.* 80. 1.
Upper wings with a few brown spots in the middle.
- Cespitis.* Wings brown with 3 whitish waved streaks connected with a black one; lower-ones white.
 Inhabits *Austria.* *Wien. Verz.* 82. 2.
Head and *thorax* brown: upper-wings with a few spots surrounded with a white ring: lower-wings white with a brownish inner margin.
Larva naked brownish with 3 concurrent paler lines.
- Chenopodii.* Wings cinereous spotted with black with a white 2-toothed streak behind; crest of the thorax short and bifid.
 Inhabits *Austria.* *Wien. Verz.* 82. 6.
Lower-wings cinereous tipped with brown.
Larva green with a dull dorsal line and lateral red one.
- Grisea.* Wings dull grey with 2 minute white dots in the middle.

Inhabits *Kiel*. *Body* cinereous.

Upper wings with a streak of very minute black dots behind the white one: *lower-wings* dusky with a white outer margin.

Contigua. Wings clouded cinereous and brown with a 2-toothed white streak behind; crest of the thorax bifid.

Inhabits *Austria*. *Wien. Verz.* 82. 7.

Larva green with a reddish-brown head and 2 spots on the first segment, stigmata black.

Pupilla. Wings brown-orange with cinereous spots, the first with a fulvous pupil.

Inhabits *Kiel*. *Body* brown.

Lower-wings whitish, beneath with a brown streak behind.

Dentina Wings varied with cinereous and brown with a yellow spot at the inner-margin and streak behind.

Inhabits *Austria*. *Wien. Verz.* 82. 8.

Upper-wings brownish in the middle with a few spots and a cinereous bifid one.

Bimaculoja Wings whitish grey; upper-pair slightly clouded, lower-ones spotted with black.

Inhabits *Germany*. *Wien. Verz.* 82. 5.

Lower-wings with 2 black spots.

Larva naked grey dotted with white, with 2 horns on the tail.

Exclamationis. Wings brown with a small black line and head-shaped spot behind.

On the *Senecio vulgaris*. *Clerk. Icon. tab.* 1. fig. 4.

Larva brown-ferruginous dotted with black, a pale line down the back.

Disjuncta. Wings yellowish-grey with 2 central black spots, the tip dusky.

Inhabits *Germany*.

Upper-wings with a few obsolete brown streaks, the hind-margin dusky with a terminal streak of black dots: *lower-wings* beneath cinereous with a brown dot in the middle and streak behind.

Subterranea Wings brown, base of the rib and hind-margin cinereous.

Inhabits *South America*.

Head and *thorax* brown, the crest a double black curve: *abdomen* cinereous: *lower-wings* whitish.

Larva

Larva above grey with confluent pale and reddish spots: lives under ground and sometimes eats its way into the stems of plants, but more frequently eats off the stalks at the base and then feeds on the leaves.

Suffusa. Wings brown paler at the tip, with a small black line in the middle and 2 at the tip marked with a white dot.

Inhabits *Austria*. *Wien. Verz.* 80. 4.

Body brown with a black band on the fore-part: *upper-wings* sometimes variegated with grey: *lower-wings* whitish.

Signifera. Wings cinereous with brown waves and a black line at the base ending in an oblong whitish pupil at the tip.

Inhabits *Austria*, on the *Cochlearia*. *Wien. Verz.* 80. 8.

Upper-wings with 2 spots in the middle, the margin streaked with black: *lower-ones* whitish.

Larva naked varied with cinereous and brown with black dots and lines, neck yellowish with 3 white lines.

Valligera. Wings varied cinereous and brown with an oblong blackish spot at the base in which is an ocellar ferruginous dot.

Inhabits *Austria*. *Wien. Verz.* 80. 9.

Antennæ pectinate: *body* grey: *wings* grey with brown spots and dots, the ferruginous dot surrounded with a white ring, the rib brown with 3 white dots.

Caecimacula. Wings indented grey with 2 black dots at the base and 2 cinereous streaks.

Inhabits *Austria*. *Wien. Verz.* 81. 14.

Body grey: *antennæ* brown: *upper-wings* with a few spots in the middle, the margin grey with a streak of black dots.

Larva flesh-colour speckled with black, the sides and head yellowish.

l. album. Wings grey marked with a white l.

Inhabits *Europe*. *Hybn. Beitr.* 4. tab. 2. fig. K.

The letter l is placed longitudinally in the middle of the *wings*, the hind margin brown.

l. iminalis. Wings brown at the base with fulvous waved streaks, the tip cinereous.

Inhabits *Germany*, on the Willow. *Roes. Inf.* 3. tab. 11.

Between the fulvous streaks is a yellow dot, the hind-margin dotted with black.

Larva greenish with 5 white lines and a few streaks : *pupa* hardly folliculate chestnut-brown.

Pagana. Wings grey-brown with 5 marginal brown dots and 3 white ones : lower-ones white with a black band.
Inhabits *India*.
All the wings beneath white with a black marginal band.

d. *Wings deflected ; thorax smooth.*

Ficus. Wings cinereous with white veins, the base spotted with fulvous white and black.
Inhabits *India*, on the *Ficus racemosa*.
Antennæ of the female setaceous, of the male pectinate and setaceous at the tip : *head* fulvous : *thorax* fulvous with a black dot each side : *abdomen* cinereous with 2 black dots each side : *upper-wings* with a long marginal fulvous spot at the base in which are 6 black dots and 3 white ones, at the thinner margin are 2 white spots, the first with a black dot and lunule the other with a black dot : *lower-wings* yellow with a few black dots, beneath yellowish spotted with black.

Caricæ. Wings cinereous with white streaks and dot in the middle, the base fulvous with 5 black dots.
Inhabits *India*, on the *Ficus Indiæ*. *Cram.* 12. t. 133. f. 2.
Antennæ filiform : *head* fulvous with 2 black dots : *thorax* fulvous with 2 black dots : *lower-wings* yellow spotted with black.

Coronata. Wings brown with 3 obscure streak and a stigma behind dotted with black.
Inhabits *China*.
Upper-wings with 3 streaks which consist of a darker and paler line, in the middle are 2 spots, the hinder one kidney-shaped with 7 black dots : *lower-wings* yellow with 2 black bands. Beneath all yellowish : *abdomen* yellow with black belts.

Manliæ. Wings chestnut-brown ; lower-ones with a blue band and black margin.
Inhabits *Asia*. *Cram.* 8. tab. 92. A.
Upper-wings with an abbreviated dull band and paler spots : *lower-wings* black at the tip.

Hircus. Wings brown, paler in the middle ; lower-ones black with a yellow fore-angle.

Inhabits

Inhabits *Guinea* ; large.

Upper-wings with a broad grey-ferruginous band in the middle, beneath black with an abbreviated white band : *lower-wings* beneath black with a marginal white band.

Geryon. Wings black spotted with yellow ; lower-ones red edged with black

Inhabits *Africa* ; large.

Head and *thorax* black dotted with white : *abdomen* brown with yellow rings and white ones beneath ; tail fulvous ; *upper-wings* whitish at the tip.

Leonina. Wings chefnut-brown with grey stigmata ; lower-ones yellow with 2 black spots ; abdomen with black belts.

Inhabits *India*. In the museum of Sir *Jos. Banks*.

Upper-wings with 4 obscure streaks, the third dotted with white, the fourth joined to a white one. Beneath all yellowish.

Dama. Wings brown streaked with white ; lower-ones white edged with black.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Antennæ pectinate black : *thorax* fulvous dotted with black ; *abdomen* fulvous spotted with black : *upper-wings* beneath brown with a white spot in the middle : *lower-wings* beneath white with a black border.

Arundinis Wings cinereous with black dots and marginal lunules, beneath with a central brown spot.

In the stalks of the common Reed, and is said to occasion the staggers in Horses. *Natursf.* 11. *tab.* 3.

Body cinereous hairy immaculate : *upper-wings* with 3 pale spots at the thicker margin, beneath dusky : *lower-wings* beneath pale with a brown spot in the middle.

Larva green dotted with black : *pupa* elongated nearly cylindrical chefnut-brown.

Virefcens. Wings greenish with 3 darker streaks.

In the Pods of the *Cytisus Caian*.

Body greenish : *antennæ* and *tongue* ferruginous : *lower-wings* white with a ferruginous patch on the hind-margin. Beneath all white.

Larva glabrous pale greenish with 3 darker streaks down the back and a yellowish lateral one, head pale : *pupa* chefnut-brown.

* *Batis.* Upper-wings brown with 5 peach-colour spots ; lower-ones cinereous.

Inhabits

Inhabits *Europe*. *Donovan. i. tab. 33. fig. 1.*

Merian. Eur. 3. tab. 21. fig. 1. Roes. Inf. 4. tab. 26.

Larva naked ferruginous gibbous before and behind: *pupa* brown, tapering before.

Silene. Wings pale orange with a grey spot behind dotted with black.

Inhabits *Austria*. *Wien Verz. 85. 1.*

Head and *thorax* pale orange: *upper-wings* with an obscure abbreviated streak in the middle and a few grey spots, the anterior of which has sometimes a black lunule.

Larva naked dull brown with black stigmata, and a black collar edged with white.

Nitida. Wings substriate ferruginous with yellow streaks; lower-ones brown.

Inhabits *Austria*. *Wien. Verz. 86. 4.*

Upper wings with a few spots in the middle and a streak of black dots towards the hind-margin.

Larva naked brown varied with grey and rufous, head pale, collar black with 2 white lines.

Rubiginæa. Wings yellow with ferruginous waves and scattered black dots.

Inhabits *Austria*. *Wien. Verz. 86. 8.*

Antennæ brown. *head* and *thorax* yellow; *lower-wings* brown with a fulvous margin.

Rufina. Wings rufous with 3 brownish bands, the hind-one broader; beneath reddish.

Inhabits *Europe*, on the Oak. *Clerk, Icon. tab. 4. fig. 8.*

Larva naked liver-colour with white dots and a white lateral line.

Martia. Wings pale orange mixed with cinereous; lower-ones ferruginous.

Inhabits *Germany*.

Body pale orange: *upper-wings* with cinereous spots and specks. Beneath all cinereous with a ferruginous dot in the middle and streak.

Strigosa. Wings varied brown and cinereous with 3 black lines before the inner-margin.

Inhabits *Austria*. *Wien. Verz. 88. 15.*

Upper-wings with a waved streak at the tip: *lower-ones* cinereous.

- Fulvia.* Both surfaces of the wings alike, fulvous edged with black.
Inhabits *India*. *Clerk Icon. tab. 55. fig. 9.*
Abdomen black, beneath yellow.
- Scutosa.* Wings varied with brown and white; lower-ones white at the base with a brown spot, the tip brown spotted with white.
Inhabits *Austria*. *Wien. Verz. 89. 1.*
Body grey brown: *upper-wings* brown, white in the middle with 3 brown spots, the tip brown with white streaks and marginal dots: beneath a white border with 3 large black dots; *lower-wings* beneath white with a brown dot in the middle and brown streak and dot at the tip.
Larva greenish with black dots and obscure lines.
- **Glyphica.* Wings vatiegated with cinereous and brown; beneath yellow with brown bands.
On the *Verbascum*. *Reaum. Inf. 1. tab. 49. fig. 14.*
- Dipsacea* Wings pale with a broad brown band; lower-ones varied with white and black.
Inhabits *Europe*. *Merian. Europ. 2. tab. 49.*
Larva red with white interrupted lines head, cinereous.
- Ononis.* Wings cinereous with a flesh-colour bloom and barred with brown; lower-ones black with 2 white spots.
Hybn. Beytr. 2. tab. 4. fig. W. Wien. Verz. 89. 4.
Inhabits *Austria*., on the flowers of the *Ononis spinosa*.
Upper-wings with a broad brown margin in which is a small cinereous streak.
Larva solitary naked with alternate rosy and purple streaks.
- Mi.* Wings varied with cinereous and brown with a black W beneath.
On the *Medicago falcata*. *Hybn. Beytr. 3. tab. 2. fig. F.*
- Triquetra.* Wings cinereous with 4 brown spots; the anterior ones triangular; lower-ones yellow with brown bands.
Inhabits *Austria*. *Hybn. Beytr. 3. tab. 2. fig. I.*
Lower-wings with a brown hind-margin.
- Pandum.* Wings indented brown slightly waved with reddish-brown, with a snowy stigma in the middle.
Inhabits *East India*.
Lower-wings and all beneath brown.

- Pubbra.* Wings pale with 2 black spots at the rib.
 Inhabits *East India*: small.
Thorax pale, black before the anterior margin: *lower-wings* and all beneath yellowish immaculate.
- Avida.* Wings shining brown with a ferruginous stigma and band behind; *lower-ones* white.
 Inhabits *East India*. In the museum of Sir. *Jos. Banks*.
Head and *thorax* blackish: *abdomen* snowy beneath brown: *upper-wings* with yellowish lunules on the ferruginous band, the margin with a black waved streak; beneath brown; *lower-wings* beneath white.
- * *Roboris.* Wings cinereous with 2 white waved streaks, and a central snowy spot in which is a black lunule.
 Inhabits *Europe*. *Donovan ix. tab. 299*.
Antennæ simple; streak on the *wings* edged with brown.
Larva glabrous green with 2 yellow lines each side: *pupa* black.
- Minta.* Wings pale slightly barred with brown; *lower-ones* pale at the base and tip with brown.
 Inhabits *Saxony*. *Body* white immaculate.
 All the *wings* beneath pale.
- Crucis.* Wings shining cinereous with a brown streak in the middle and band behind.
 Inhabits *South American Islands*.
Upper-wings with a streak of small black dots behind the band: *lower-ones* and all beneath yellowish.
- Inquinata.* Wings cinereous with brown waves and subferruginous band in the middle in which is a black dot.
 Inhabits *East India*.
Upper-wings speckled with brown with a very small black dot before the band, beneath brown with a fulvous spot and base, *lower-wings* brown with a yellow base, beneath yellow with a brown hind-margin.
- Albicollis.* Wings white at the base and brown at the tip with a double white patch.
 Inhabits *Europe*. *Hvbn Beytr. 4. tab. 4. fig. W*.
Upper-wings with a small black dot at the base,
Larva naked grey striate tapering at each end, head testaceous, each segment with 2 white dots.
- Italica.* Wings brown with ferruginous streaks and a transverse white marginal spot.

Inhabits

Inhabits *Italy*. *Schæff. Icon. tab 51. fig. 11, 12.*

Head and thorax brown : *abdomen* cinereous, the edges of the segments white : *lower-wings* and all beneath black with a white base and spots.

Barbata Wings pale with 3 white streaks and 2 brown dots in the middle.

Inhabits *South American Islands*.

Margin of the *upper-wings* a little ferruginous, beneath pale. In one *Sex* the fore-thighs are bearded with black.

Palliatæ Upper-wings ferruginous with a black dot at the tip ; lower-ones black with a fulvous margin.

Inhabits *Germany*.

Head and thorax dull ferruginous : *abdomen* above brown beneath cinereous : *wings* beneath all black with fulvous margins.

Hypatiæ Wings whitish ; upper-pair with a black disk in which is an oblique snowy band and a snowy streak at the base.

Inhabits *East India*. *Cram. tab. 250. E.*

Upper-wings with a black band and white streak behind the disk : *lower-ones* and all beneath whitish.

Triangulum. Wings grey with a black disk in which is a snowy triangle.

Inhabits *Tranquebar*. *Cramer. tab 156. G.*

Rib of the *upper-wings* snowy at the base. Beneath all dusky.

Palmatæ. Wings subferruginous with obsolete waved streaks and snowy spot in the middle.

Inhabits *South American Islands*.

Wings beneath pale with ferruginous streaks.

Female with a darker instead of the snowy spot.

Larva green with a broad brown dorsal line, beneath dotted with brown.

Arcuatæ Wings whitish with a black curve in the middle and marginal spot behind.

Inhabits *Tranquebar*.

Antennæ pectinate, naked at the tip ; *body* whitish.

Vulpinæ. Upper-wings dull cinereous immaculate ; lower-ones black at the tip with white spots.

Inhabits *East India* : large.

Notata. Wings cinereous with brown bands and a black dot at the inner-margin.

Inhabits *East India*.

Upper-wings with a streak of black dots near the margin, the tip brown : beneath cinereous with a brown lunule in the middle and band behind : *lower-wings* whitish with a brown streak in the middle and band behind.

Deflituta. Wings grey, with brown spots and a white submarginal streak edged with brown.

Inhabits *China*.

Upper wings with an obsolete brown band reaching from the middle of the thinner margin to the tip. Beneath grey with 2 brown streaks, the first waved, the second composed of spots : *thighs* and *shanks* very hairy.

Tigrina. Upper-wings variegated ; lower-ones black with a white band and 3 marginal spots.

Inhabits *India*. *Cram.* 27 *tab.* 932. *C, D. tab.* 62. *C, D.*

Upper-wings darker at the base with a brown streak, the middle immaculate, the tip varied with brown cinereous and rufous with 3 white dots at the rib. Beneath grey with brown waves.

Lyncea. Upper-wings varied with yellow and brown with a snowy dot in the middle, beneath yellow with brown waves.

Inhabits *East India*.

Head and *thorax* brown : *lower-wings* and all beneath yellow with brown waves.

Geometrica. Wings brown with a large black spot in which are 2 bands, the first snowy, the other chestnut-brown.

Inhabits *East India*.

The chestnut-brown band on the *upper-wings* is terminated by a white streak : *lower-wings* and all beneath black with a white band and margin.

Mezenteria. Wings black ; upper-pair speckled with blue, lower-ones tipped with white.

Inhabits *East India*. *Cram. tab.* 323. *F.*

Head and *thorax* brown : *abdomen* black, the tail ferruginous : *lower-wings* black with a blue gloss.

Stelida. Wings brown with 2 snowy bands, the hinder-one 1-toothed.

Inhabits *East India*.

Body cinereous : *lower-wings* brown with a white band and dot at the angle of the tail.

Nivea.

- Nivea*. Wings and body white ; antennæ and tongue testaceous.
Inhabits *Norway*.
- Joviana*. Wings cinereous with a transverse black spot which is rounded before sinuate behind and edged with white.
Inhabits *East India*. *Cramer. tab. 399. B.*
Upper-wings with 2 whitish streaks joined to a brown one at the base: behind the black spot is a streak of brown spots and 3 small white dots at the thicker margin: *lower-wings* and all beneath cinereous: *abdomen* cinereous with 3 white dots each side.
- Stuposa*. Wings black with a white band in the middle, the tip cinereous with a double black spot.
Inhabits *East India*. *Cramer. tab. 273. E.*
Lower-wings black with a white band in the middle. Beneath all grey.
- Inclita*. Wings brown with 3 blueish streaks joined to a chestnut-brown one.
Inhabits *Brasil*. In the museum of Sir *Jos. Banks*.
Body brown: *antennæ* simple: *upper-wings* with a blue dot at the base of the thicker margin: *lower-wings* brown with a blueish spot at the angle of the tail. Beneath all brown immaculate.
- Miniosa*. Wings ferruginous with 3 waved carmine streaks and spots.
Inhabits *Austria*. *Wien. Verz. 88, 14.*
Antennæ pectinate: *upper-wings* with a streak of black dots towards the margin; *lower wings* whitish with a brown marginal streak.
Larva black with an interrupted yellow line and 3 lines on the neck.
- Ursina*. Wings dull grey; lower-ones white hyaline with a black margin.
Inhabits *South American Islands*.
Body cinereous: *abdomen* white; *upper-wings* with an obscure grey spot or two. Beneath all white with a black hind-margin.
- Canina*. Wings cinereous varied with brown; lower-ones white hyaline immaculate.
Inhabits *South American Islands*.
All the *wings* beneath immaculate.
- **Trapezina* Wings whitish with a very broad deeper band in which is a black dot, the margin dotted with black.
Inhabits *Europe*, on the nut-tree. *Merian Eur. tab. 11.*

Larva greenish with cinereous white and sulphur lines; preys on the larva of other moths and even its own species: *pupa* foliiculate chestnut-brown.

- * *Cerasi*. Wings grey-ferruginous with a yellowish spot and streak behind, the margin dotted with black.
 Inhabits England and Germany. *Roef. Inf.* 1. *phal.* 2. *tab.* 53.
Lower-wings glossy-cinereous with a large brown central dot beneath.
Larva yellowish with 3 sulphur lines, head blue: *pupa* naked chestnut-brown, 2-toothed behind.

- Instabilis*. Wings grey with a ferruginous band in the middle.
 Inhabits Austria. *Wien Verz.* 76. 1.
Body hairy subferruginous: *lower-wings* above brown, beneath cinereous with a brown central dot.
 The colour of the *upper-wings* varies but the ferruginous band always distinguishes the species.
Larva naked green with a white dorsal line and lateral yellow one.

- Humilis*. Wings grey with 3 yellowish streaks and a brown one in the middle, the margin dotted.
 Inhabits Austria. *Wien Verz.* 76, 3.
Antennae ferruginous: *body* grey: *upper-wings* with 2 spots surrounded with a yellowish ring: *lower-wings* brown, beneath whitish with a brown dot in the middle.

- Centralis*. Wings dull cinereous with a black central dot.
 Inhabits Kiel; small.
Body dull cinereous with a few obsolete yellowish waved streaks: *lower-wings* beneath pale with a brown streak and dot in the middle.

- Lychnidis*. Wings ferruginous-brown striate with yellow.
 Inhabits Austria. *Wien Verz.* 76, 5.
Body grey: *antennae* ferruginous: *upper-wings* with 6 or 7 yellow striæ from the base below the ordinary spots, towards the tip are 2 streaks; *lower-wings* brown.

- Fixa*. Upper-wings pale at the base, the tip greenish with a pale streak; lower-ones yellow edged with black.
 Inhabits Gibraltar; small.
Body above brownish, beneath yellow: *upper-wings* grey at the base with a brown band in the middle: *lower-wings* with a few black streaks before the margin.

- *Monilis*. Wings chestnut-brown with 4 approximate white dots; antennæ pectinate.
Inhabits *England*; middle-sized.
Head and *thorax* ferruginous: *antennæ* ferruginous: *abdomen* paler: *upper-wings* with a dusky dot in the middle and 4 white dots placed transversely at the thinner margin, 1, 3 less than the rest, towards the tip are 4 yellowish obsolete ones: *lower-wings* pale reddish with a darker streak beneath.

- Electrica*. Wings grey with 2 black waved streaks at the tip.
Inhabits *Kiel*.
Head and *thorax* grey: *abdomen* paler: *upper-wings* with 2 spots in the middle, the first small and round, the other larger and kidney-shaped, the margin fringed with cinereous and brown: *lower-wings* and all beneath white immaculate.

- Undata*. Wings grey with waved brown streaks; lower-ones cinereous with a black marginal band.
Inhabits *East India*.
Antennæ ferruginous: *head* and *thorax* greenish: *upper-wings* beneath with 2 black spots and a band behind.

- Vittata*. Wings cinereous with brown streaks; lower-ones yellowish with a black marginal fillet.
Inhabits *East India*. *Cramer. tab. 399. G.*
Antennæ pale rufous, as long as the body: *upper-wings* with a brown ring at the base and kidney shaped spot in the middle: *lower-wings* with 3 brown streaks, the margin yellowish.

- Annulata*. Wings glossy-brown; lower-ones beneath grey with a brown dot in the middle and streak behind: fore-shanks annulate with white.
Inhabits *Tranquebar*.
Upper-wings with a few white dots at the rib: *lower-wings* blackish with a whitish margin.

- Munda*. Wings cinereous with a yellowish streak behind in which are 2 black dots.
Inhabits *Austria*. *Wien. Verz. 16, 7.*
Upper-wings with sometimes 2 black dots at the angle of the tail.
Larva naked varied with grey and black with a testaceous lateral line.

- Blanda*. Wings brown-cinereous with a whiter streak behind.
Inhabits *Austria*. *Wien. Verz. 77. 8.*
Body hairy cinereous: *lower-wings* cinereous.

Ambigua. Wings cinereous speckled with black, a black streak behind the middle.

Inhabits *Austria.* *Wien. Verz.* 77, 8.

Lower-wings whitish with a black dot in the middle beneath.

Larva varied with ferruginous and brown, head brown.

Gracilis. Wings brown-cinereous with a brown waved streak at the base and a yellowish one at the tip with a punctured one between them.

Inhabits *Austria.* *Wien. Verz.* 76, 4.

Wings with a few spots in the middle and a streak of black dots behind them

Larva naked greenish with yellowish sides, the incisures yellow, each segment with 4 dusky spots and a black one before.

Repanda. Wings yellowish with 2 brown streaks behind, one flexuous, the other composed of dots..

Inhabits *South American Islands.*

Body yellowish: *upper wings* with a black dot at the thinner margin, a few spots in the middle, and an oblique reddish streak behind: *lower-wings* yellow with a brown streak behind and spot at the tip. Beneath all yellow. The other *sex* is without the black dot at the thinner margin.

Versicolor. Wings grey or purplish with an abbreviated white band on the upper-pair.

Inhabits *American Islands.*

Colour of the *wings* very variable but always with the white band; beneath with a dull streak or two in the middle.

Corchori. Wings angular cinereous with a broad darker band in the middle which is angular behind.

Inhabits *South America*

Upper-wings with a black dot in the middle of the band: *lower-wings* blackish with a fringed blackish hind-margin. Beneath chestnut-brown with a whitish inner margin.

Larva glabrous green with a yellow undulate lateral line and double purple one, head yellow: *pupa* chestnut-brown.

Discolor. Wings brown; upper-pair with a paler band 1-toothed behind; lower-ones with 2 white marginal spots.

Inhabits *Tranquebar.*

Body cinereous brown: *thorax* with a black spot.

The band in one *sex* is greenish with a black dot in the middle; before the margin an obsolete white patch. Beneath all brown with a white dot in the middle of the lower-ones.

- Sordida.* Wings yellowish with a common brown streak and submarginal dots; beneath a snowy lunule in the middle.
Inhabits *Tranquebar*.
Body yellowish: *upper-wings* with an obsolete brown streak at the base, subocellar dot before the middle and kidney shaped spot. Beneath all paler with a snowy dot in the middle and 2 streaks behind.
- Frugalis.* Wings cinereous with an oblique brown band and streak of black dots behind.
Inhabits *India*.
Upper-wings with a small brown dot in the middle.
One *sex* has the hind legs covered with thick yellow hair.
- Flava.* Wings yellow with waved ferruginous streaks.
Inhabits *East India*; small.
Lower-wings paler immaculate.
- Stigmatizans.* Wings angular yellow with 3 darker streaks and a snowy dot.
Inhabits *India*; small.
Antennæ cinereous: *head* and *thorax* yellow: *lower-wings* cinereous. Beneath all dusky with a brown waved streak.
- Dorsalis.* Wings green with a large common brown spot.
Inhabits *Tranquebar*; small.
Head and *thorax* greenish: the spot nearly forming a band.
- Cinerea.* Wings cinereous with a streak of black dots behind.
Inhabits *Sweden*; small.
Antennæ dusky, whitish at the base: *lower-wings* brownish with a whitish base.
- Rejesta.* Wings white with a greenish spot behind.
Inhabits *East India*; small.
Lower-wings immaculate.
- Fortificata.* Wings grey spotted with brown; lower-ones yellow with a brown streak and hind-margin.
Inhabits *Germany*; small.
All the *wings* beneath yellowish:
- Elata.* Upper-wings clouded with brown with a cinereous patch and spot, lower-ones white.
Inhabits *East India*.

Thorax cinereous, the fore-part brown: *upper-wings* with a pale blueish band behind, the hind-margin with cinereous streaks: *lower-wings* immaculate.

Lanceolata. Wings lanceolate cinereous, the upper-pair speckled with brown.

Inhabits Germany; small.

Antennæ as long as the body, black tipped with white: *body* grey: all the *wings* lanceolate, *lower-ones* immaculate.

e. *Wings* deflected; *thorax* crested.

* *Fulvago.* Upper-wings yellow with ferruginous streaks, the hind one composed of dots; lower-wings white.

Inhabits Europe. Clerk. Icon. tab. 6. fig. 15.

Larva naked pale with a chestnut-brown head.

Croceago. Wings ferruginous with brown streaks, the rib dotted with white.

Inhabits Germany. Hybn. Beytr. tab. 1. fig. F.

Head and *thorax* ferruginous: *lower-wings* whitish with a red dot and 2 wavy streaks.

Larva yellowish with a brown dorsal line and short oblique lateral orange ones.

Albago. Wings yellow with a blueish ocellar dot in the middle between brown wavy streaks.

Inhabits Tranquebar.

Antennæ brownish: *head* and *thorax* yellowish: the blueish spot on the *upper-wings* with a brown iris, the margin a little brownish: *lower-wings* brown with a whitish margin.

Aurago. Wings brownish with a yellow patch at the base and broad band in the middle.

Inhabits Austria. Hybn. Beytr. 1. tab. 2. fig. L.

Lower-wings cinereous.

Larva naked grey with oblique brown lines.

Sulphurago. Wings yellow with numerous brown dots and streaks.

Inhabits Austria. Wien. Verz. 86, 8.

Upper-wings with 2 brown rings behind the first streak, the margin dotted with brown.

Larva naked whitish with a yellow head.

Cerago. Wings yellow subfasciate with brown; lower-ones white.

Inhabits Germany. Wien. Verz. 86, 9.

Thorax yellow with a raised pointed crest in one sex.

- Rutilaga.* Wings yellow with ferruginous streaks and a brown band at the base and tip.
Inhabits *Europe*, on the Poplar. *Wien. Verz.* 86. 4.
Body brown : abdomen whitish.
- **Citrage.* Wings yellow with 3 oblique ferruginous streaks.
Inhabits *Europe.* *Albin. tab.* 33. *Wilks.* 5. t. 1. a. 8.
Larva naked brown with yellow sides : pupa folliculate chestnut-brown.
- Luteago.* Wings yellow with 2 indented brown streaks.
Inhabits *Southern Russia.*
Antennæ ferruginous with a white shaft : lower-wings whitish.
- Ferrago.* Wings ferruginous with a brown spot in the middle in which is a white lunule.
Inhabits *Kiel.*
Upper wings with a streak of obsolete black dots behind the brown spot : lower wings brown. Beneath all silvery.
- Flavago.* Wings deep yellow with a broad brown band and dots.
Inhabits *Kiel.*
Thorax brown before, yellow and crested behind : upper-wings with a broad sinuate brown band behind the middle in which are 3 costal yellow dots, and behind this a streak of small brown dots. lower-wings cinereous.
- Gilvago.* Wings pale yellow with a brown dot in the middle and streak of black dots behind.
Inhabits *Germany.* Lower-wings white.
- **Cbryfitis.* Wings yellowish-brown with 2 green-gold bands and a yellowish marginal one.
Inhabits *Europe.* *Donovan.* iv. tab. 137.
Albin. tab. 71. fig. a, b, c, d. *Merian. Europe.* 1. tab. 59.
Antennæ yellow : lower-wings blackish-grey.
Larva solitary green with a white lateral line : pupa folliculate brown.
- Concha.* Wings purplish with 2 gold spots in the middle and 4 at the tip.
Inhabits *Austria.* *Knock. Beytr.* 1. tab. 1. fig. 2.
Antennæ pale : head and fore-part of the thorax ferruginous : lower-wings pale.
- Orickalca.* Wings brown with a large lunate green-gold spot.
Inhabits *India.* Lower-wings immaculate,

Lamina. Wings cinereous with a black marginal spotted edged with gold each side, and a gold spot.
 Inhabits *Austria*. *Wien. Verz.* 314. 8.
Head and thorax grey : *abdomen* with tufts of black hairs at the base : *upper-wings* with a gold spot near the tip in which is a black dot.

Bractea. Wings variegated, with a large shining gold spot in the middle.
 Inhabits *Southern Europe*. *Wien. Verz.* 314. 7.
Head and thorax dull ferruginous : *upper-wings* varied with cinereous brown and ferruginous. *lower-wings* cinereous.

**Fesiucae* Upper-wings varied with yellow and brown with 3 silvery-gilt spots ; lower-ones pale brown.
 Inhabits *Europe*. *Donov.* ii. tab. 25. *Albin.* t. 84. G, H.
Larva naked green, and constructs its web by making a deep incision across the leaf of the *Scirpus lacustris* or Bull-rush, which becoming dependent, it joins the broken parts together and weaves its web between them.

Circumflexa Upper-wings brownish with a flexuous silvery character.
 Inhabits *Europe*. *Esp. phal.* 4. tab. 32. fig. 56.
Larva nearly naked green with a darker latrral line : *pupa* half black half white.

Artemiseae Upper-wings green with scattered silvery spots.
 Inhabits *Germany*. *Knock. Beytr.* i. tab. 3. fig. 1. 2.
Head and thorax green varied with silvery : *abdomen* whitish : *lower-wings* white with a darker hind-margin.
Larva hairy green spotted with white with a dorsal and lateral line composed of red warts : *pupa* greenish.

Gamma. Wings indented ; upper-pair brown with a gold y in the middle.
 Inhabits *Europe*. *Donov.* viii. tab. 265. f. 2. *Albin.* t. 79. G, H.
Merian. Eur. tab. 82. fig. 78. *Wilks.* pap. tab. 2. a. 1.
Upper-wings with a few irregular gold lines : *lower-ones* with an oblique pale band and dotted margin.
Larva 12-tooted green with white dorsal stripes and a lateral yellow one, head brown : *pupa* folliculate chestnut-brown.

Moneta. Wings gold with brown waved streaks and a double silvery ring.
 Inhabits *Mountains of Austria*.
Thorax grey dotted with black ; the silvery rings with a square brown mark.

Æmula. Wings indented, varied with cinereous and black with a double silvery line in the middle.
 Inhabits *Austria*.
Lower-wings cinereous at the base and tip with brown.

Divergens. Wings entire, upper-pair grey, the middle brown with a white mark; lower-ones fulvous edged with brown.
 Inhabits *Austria*. *Panz. Fn. Germ. 6. tab. 20.*

Argentina. Wings grey with a broad abbreviated silvery fillet.
 Inhabits *Southern Russia*.
 Body small hairy white: *lower-wings* snowy.

Interrogativa. Upper-wings brown varied with cinereous and marked with a white?
 Inhabits *Europe*. *Clerk. Ic. tab. 6. fig. 7.*

Signata. Wings dusky dotted with black at the base and marked in the middle with gold?
 Inhabits *India*.
 Tip of the wings erect: *abdomen* with 2 erect tufts.

Questionis. Wings varied with gold and cinereous and marked in the middle with a silver?
 Inhabits *India* and the *Pacific Islands*.
 Body cinereous; tail bearded: *upper-wings* cinereous at the base and tip.

Pepenis. Wings grey with a chestnut gold spot at the tip and another at the thinner margin.
 Inhabits *East India*. on the *Pepo*.
 Spots on the wings chestnut-brown reflecting a gold splendor in a certain direction of light.

**Jota.* Upper-wings reddish-grey with a large brown spot in the middle in which is an inverted gold i.
 Inhabits *Europe*. *Donovan's Eng. Inf. viii. tab. 256. fig. 1.*
Larva 12 footed naked green spotted with white.

Verruca. Wings varied with gold and brown with a silvery dot in the middle.
 Inhabits *South American Islands*.
 Head cinereous, the hind-margin fulvous: wings brownish at the base, gold in the middle, then brown, afterwards gold, with a brown fringed margin. Beneath cinereous with a brown streak.

- Lunata.* Wings varied with brown and cinereous with a cinereous curve in the middle edged with yellow.
Inhabits the *Cape of good hope*.
Thorax very much crested : *lower-wings* cinereous at the base and tip with brown.
- Emarginata* Wings variegated with brown flesh-colour and gold; the thinner edge emarginate : head and fore-part of the thorax orange.
Inhabits *Tranquebar*.
Antennæ pectinate, setaceous at the tip : *thorax* cinereous behind : *abdomen* whitish : *upper-wings* with a whitish streak behind : *lower-ones* cinereous Beneath, *upper-pair* dusky, *lower-ones* whitish.
- Pauperata.* Wings brown varied with cinereous ; *lower-ones* white hyaline
Inhabits *China*.
Thorax brown with cinereous streaks : *upper-wings* with a few short black streaks near the tip ; *lower-ones* with a brown streak at the margin.
- * *Meticulosa* Wings indented pale : *upper-pair* flesh-colour at the base with a brown triangle.
Inhabits *Europe*. *Donovan*, iv. tab. 139. *Albin*, tab, 13.
Merian, *Eur.* tab. 24. *Wilks*, pap. 3. tab. 1, a. 3.
Lower-wings reddish-grey with a brown streak in the middle.
Larva naked green with an interrupted yellow dorsal line and lateral ones : *pupa* folliculate blackish chocolate-colour.
- Ciliata.* Wings indented green with a cinereous hind-margin.
Inhabits *Cayenne*.
Antennæ pectinate, setaceous at the tip : *thorax* cinereous, a little reddish on the fore-part : *body* cinereous : *lower-wings* brown, the outer margin fringed with tufted hairs, the hind-margin indented and grey. Beneath all brownish : *fore-shanks* bearded.
- Consona.* Wings entire greenish with doubled white streaks the first inflected, the tip with 2 fulvous spots.
Inhabits *Austria* : resembles the next.
- Illustris.* Wings entire, glossy-green and cinereous with 3 distinct ferruginous spots.
Inhabits *Germany*. *Panz.* *Fn. Germ.* 2. tab. 17.
Thorax a little ferruginous before ; *upper-wings* varied with cinereous green and flesh-colour with 3 ferruginous spots near the hind-margin inclosed in 2 pale streaks : *lower-wings* cinereous.

- Lacera.* Wings varied with brown and ferruginous and emarginate at the thinner edge ; front fulvous.
Inhabits *China*.
Upper-wings with a yellow spot at the angle of the tail in which is a black lunule : *lower-ones* and all beneath cinereous.
- Oo.* Wings buff-colour with darker streaks and spots and marked in the middle with a double o.
Inhabits *Europe*. *Donovan. v. tab. 179. Wilks tab. 1. a. 22.*
Larva red with white lines and dots : *pupa* reddish-brown dotted with white.
- Flammea.* Wings varied with ferruginous and yellow with confluent spots. •
Inhabits *Austria*.
Upper-wings with whitish streaks at the tip, the spots surrounded with whitish within : *lower-wings* brown, beneath reddish with a brown dot and streak.
- **Gothica.* *Upper-wings* brownish with a black curve and dot in the middle.
Inhabits *Europe*. *Clerk. Icon. tab 1. fig. 1.*
The black curve is turned upwards.
- **Dersafa.* *Upper-wings* varied with rufous brown and white with 2 black ocellar dots in the middle.
Inhabits *Europe*. *Donovan. vii. tab. 223. fig. 1.*
Abdomen and *lower-wings* brown.
- Renata.* Wings brownish with a double cinereous o and streak behind.
Inhabits *Denmark*, on the Nut-tree.
Larva glabrous green with a yellow dorsal and lateral line, the hind-segments with an oblique yellow streak : *pupa* naked subterraneous.
- Serici.* Wings white with 3 black streaks ; lower-ones yellow with a black streak and dots.
Act. Holm. 1781. 243. tab. 5. fig. 12.
Inhabits *Japan*, where it is reared for the sake of its silk.
Body white with a red collar.
- Or.* Wings cinereous with brown waves and a grey spot in the middle ; lower-ones dusky.
Inhabits *Austria*, on the Poplar. *Wien. Verz. 87. 5.*
Larva greenish with a chestnut brown head.
- Diluta.* Wings cinereous with 2 obsolete ferruginous bands and a white dot in the middle.

Inhabits Austria. Wien. Verz. 87. 6.

Wings beneath cinereous with a brown streak.

Larva pale with a brown dorsal line and black head.

Ruficollis

Wings dull cinereous with 2 darker bands ; fore-part of the thorax ferruginous.

Inhabits Austria. Esp. phal. 4. tab. 40. fig. 4.

Abdomen and *lower-wings* cinereous.

Larva naked, the back lead-colour, the sides white dotted with black.

* *Satellitæ.* *Wings* indented reddish-brown with a yellow spot in the middle between 2 smaller white ones.

Inhabits Europe. Donovan. v. tab. 168. Roes. 3. tab. 50.

Larva black with short white lines on the sides, collar and tail with yellow lines: preys upon other larvæ: *pupa* reddish-brown obtusely 3-toothed behind.

* *Definis.*

Wings ferruginous with 3 white spots at the rib and 2 black dots behind.

Inhabits Europe. Harris. Ins. tab. 5. fig. 8.

Larva green with white lines, head and fore-legs black.

Ajalis.

Wings ferruginous with a double black dot at the inner-angle ; lower-ones black.

Inhabits Europe. Hybn. Beytr. 4. tab. 4. fig. 8.

Larva nearly naked greenish-white with lighter or darker lines and black raised hairy dots, the stigmata marked with a black curve above, sometimes pale green speckled with white and black.

Triptera

Wings with 2 longitudinal rounded sulphur spots and numerous specks.

Inhabits Europe. Lower-wings white.

* *Marginata.*

Wings yellowish with ferruginous streaks and hind-margin ; lower-ones with a black central dot and marginal band.

Inhabits Europe. Donovan. v. tab. 150. fig. 1.

Upper-wings with 2 ferruginous circles in the middle.

* *Absinthii.* *Wings* hoary with black bands, and dots disposed in a quadrangle.

Inhabits Europe. Clerk. Icon. tab. 8. fig. 19.

Larva green with yellow and rufous spots and lines: *pupa* folliculate reddish-brown, green before.

- Abrotani*. Wings brown-cinereous with black waved streaks and 4 white dots at the rib.
 Inhabits *Austria*. *Wien. Verz.* 73. 2: *Roës.* 3. t. 51. larva.
Antennæ ferruginous: *thorax* cinereous, the fore margin whitish with a thin black streak: *lower-wings* cinereous.
Larva green with ferruginous spots and conic tubercles on the back.
- Occulta*. Wings clouded, the tip cinereous with 3 black spots.
 Inhabits *Sweden*; large.
Thorax with a black lateral line and abbreviated streak before: *upper-wings* with a white waved streak behind and another near the larger black dot: *lower-wings* brown with a whitish margin.
- Patibulum*. Wings cinereous with a small black dot and common dorsal spot united to an obscure streak.
 Inhabits *East India*.
Thorax cinereous with a large raised crest and black streak before: all the *wings* beneath yellowish with a black band and dots: *abdomen* pale with lateral black dots.
- Albipes*. Wings glaucous with brown waves; legs snowy.
 Inhabits *East India*.
Head and *thorax* glaucous: *abdomen* beneath snowy: *lower-wings* and all beneath cinereous.
- * *Alni*. Wings footy with 2 grey patches, the first with a black marginal dot.
 Inhabits *Europe*. *Degeer. Inf.* 1. tab. 11. fig. 25—28.
Larva black with yellow dorsal spots and erect hairs: *pupa* folliculate reddish-brown.
- * *Delphinii*. Wings purplish with 2 whitish bands; lower-ones dusky.
 Inhabits *Europe*. *Donovan.* iv. p. 52. *Merian. Eur.* 1. t. 40, *Panz. Fn. Germ.* 7. tab. 17. *Wilks. pap.* 3. t. 1. a. 4.
Larva smooth naked yellowish with black dots and 2 paler lines: *pupa* reddish-brown.
- Purpurina*. Wings purplish with a yellow base.
 Inhabits *Austria*. *Hybn. Beytr.* 2. tab. 1. G.
Lower-wings brown.
- Pteridis*. Wings brown with white spots and 2 purple bands.
 Inhabits *Germany*. *Esp. phal.* 4. tab. 125. fig. 7.
Lower-wings blackish, beneath whitish with a brown lunule in the middle and streak.

- Eicta*. Wings purple with white streaks and dots, some of them edged with black.
Inhabits *Germany*.
Abdomen purple, the last segment but one yellow: *upper-wings* with a kidney-shaped spot behind the middle with a purple lunule and behind this 2 white streaks, the 2 hind-ones dotted with black: *lower-wings* brown. Beneath cinereous mixed with purple.
- Geographica*. Wings brownish with a whitish spot at the base and 2 snowy streaks meeting behind, the hind-margin streaked with white.
Inhabits *Austria*; small.
Thorax cinereous with 2 white dots.
- Hyperici*. Wings varied with cinereous and brown and substriate with black, with a whitish oblong spot at the base.
Inhabits *Austria*, on the *Hypericum*. *Wien. Verz.* 76. 10.
Antennæ black: *thorax* pale with 2 abbreviated black streaks: *abdomen* brown: *lower-wings* shining-brown: *legs* annulate with white.
Larva violet with 3 interrupted white dorsal lines.
- *Perspicilaris*. Wings with brown streaks twice 2-toothed behind with a single kidney-shaped common spot.
Inhabits *Europe*. *Clerk. Icon. tab. 2. fig. 3.*
Lower-margin of the *wings* a little purplish.
Larva subpubescent rough, green with a white dorsal line and thinner-ones on the sides, and white scattered dots.
- Linariæ*. Wings brown-ash, the tip streaked with white and black with snowy subocellar spots in the middle.
Inhabits *Austria*. *Wien. Verz.* 73. 6.
Thorax grey, the fore-margin white with a small black streak: snowy spots on the *wings* surrounded with a small black ring: *lower-ones* whitish with a brown margin.
Larva with a yellow dorsal line, the sides with white and black streaks, head cinereous dotted with black.
- *Pisi*. Wings purplish with 2 darker spots and a yellowish waved streak at the tip.
Inhabits *Europe*. *Donovan. ii. tab. 51. Merian. Eur. tab. 50.*
Head and *thorax* purplish: *abdomen* and *lower-wings* pale brown.
Larva ferruginous naked with 4 yellow lines, head flesh colour.

Mendica. Wings pale flesh-colour with a brown spot in the middle in which are yellow dots.

Inhabits *Germany*.

Thorax brown with a whitish fore-margin: *upper-wings* with numerous waved brown streaks, beneath yellowish with a brown streak.

**Oxyacantha.* Wings dark brown with 2 flesh-colour spots and tip, the inner-margin greenish with a white lunule.

Inhabits *Europe*. *Donovan. v. tab. 165. Albin. tab. 14,*

Lower-wings and *body* pale brown.

Larva naked varied with yellowish and black, tail gibbous: *pupa* folliculate yellowish.

Brunnea. Wings brown with a transverse yellow spot in the middle, the margin chestnut-brown.

Inhabits *Austria*. *Wien. Verz. 83. 15.*

Upper-wings with a few yellow spots: *lower-wings* brown with a reddish-brown margin.

Larva naked chestnut-brown with white spots and a blueish lateral line, head black with 2 white lines.

**Chrysoceras.* Upper-wings olive green with sulphur streaks and hind-margin; lower-ones brownish with a sulphur margin.

Inhabits *England*. *Linn. Transf. ii. p. 3. tab. 1. fig. 1—3.*

Thorax with a white transverse line before; *upper-wings* sulphur with olive clouds.

Larva pale yellow with a reddish brown head: *pupa* naked chocolate brown and pointed at the tip.

**Gemina.* Upper-wings brownish-grey with 2 streaked darker bands and 2 intermediate snowy spots.

Inhabits *England*. *Linn. Transf. ii. p. 4. tab. 1. fig. 4—6.*

Upper-wings with a broad band in the middle composed of 4 dark streaks in the middle of which are 2 snowy streaks, and near the tip another band composed of about 3 waved streaks, in the tip of the fore-margin is an oblique black line: *lower-wings* paler.

Larva yellowish with a dark dorsal line and reddish-brown head: *pupa* chocolate brown, pointed at the tip.

**Pulla.* Upper-wings brown ferruginous slightly clouded, with a white undulate streak.

Inhabits *England*. *Linn. Transf. ii. p. 5. tab. 1. fig. 7—9.*

Upper-wings with 2 spots near the thicker margin: *lower-wings* cinerous: *tail* bearded.

Larva

Larva brown with yellow lateral lines and reddish-brown head :
pupa chocolate brown.

**Chryso-*
glossa. Upper-wings subfalcate grey with 3 streaks, the 2 first of which are abbreviated.

Inhabits *England.* *Linn. Transf.* ii. p. 6. tab. 1. fig. 10. 11.

Upper-wings brownish or whitish speckled with brown, at the base are 2 whitish streaks the first abbreviated, then 2 brown spots surrounded with a whitish line, near the outer margin a whitish streak and a white line at the edge : the outer margin of all deeper colour : *lower-wings* brownish.

Culta. Wings waved brownish with 2 white spots, the anterior one double : margins of the thorax white.

Inhabits *Austria.* *Hybn Beyr.* 2 tab. 3. fig. R.

Antennae ferruginous : head snowy with a black streak and dots : *upper-wings* a little waved with white and black, the hind-margin varied with white and brown : *lower-wings* white with a blackish patch at the angle of the tail.

Compta. Wings brown with black waves and a broad white band in the middle.

Inhabits *Austria.* *Wien. Verz.* 70. 5.

Head and thorax varied with white and brown : *lower-wings* brown, paler at the base : *tarsi* black annulate with white.

Proserpa. Wings varied with brown and green with 3 white patches : thorax with a double crest.

Inhabits *Austria.* *Wien. Verz.* 82. 11.

Lower wings brown with a white fringe, beneath with a black dot and waved streak.

Larva pale violet, the back spotted with black, stigmata white and head brown.

**triplicis* Upper-wings brown with blue and yellow streaks, in the middle a white mark and bifid yellow one.

Inhabits *Europe.* *Donovan's Eng. Inf.* viii. tab. 362. f. 1.

Willk pap. 3. tab. 1. a. 2. *Roes.* 1, *phal* 2. tab. 31.

Larva naked rosy with white dots and a brown dorsal line : *pupa* reddish-brown.

Commelina. Upper-wings clouded with brown with a yellowish diffracted mark and spot at the tip : *lower-wings* whitish.

Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

Phytolacca Upper-wings striate with brown with a dusky dot ; the hind-margin spotted with black, the fore-margin dotted.

Inhabits *America.* *Smith's Lepidopt. Inf. of Georgia.*

Fragiperda.

- Frugiperda*. Upper-wings clouded with brown with 2 ocellar brown dots and an intermediate mark, the tip with a white spot.
Inhabits *America*. *Smith's Lepidept. Ins. of Georgia*.
- Chionantbi*. Upper-wings cinereous with a white o and black streaks and marks; lower-ones whitish, brownish on the outer-part.
Inhabits *America*. *Smith's Lepidopt. Ins. of Georgia*.
- Gauræ*. Wings white; upper-pair with a red streak; all with a red margin: thorax yellowish.
Inhabits *America*. *Smith's Lepidopt. Ins. of Georgia*.
- Rhexia*. Upper-wings green with transverse yellow streaks and intermediate spots; lower-ones white with a brown margin.
Inhabits *America*. *Smith's Lepidopt. Ins. of Georgia*.
- Dolichos*. Wings indented brown with a white patch in the middle: abdomen beneath cinereous and dotted each side with black.
Inhabits *South America*, on the *Dolichos* and *Carica*.
Head and *thorax* varied with cinereous and brown: *lower-wings* white with a black marginal streak.
Larva glabrous purplish-brown with 2 dorsal lines of black spots, the outer margin whitish: *pupa* brown.
- Sinuata*. Wings cinereous at the base with a large black sinuate spot.
Inhabits *India*; small.
Thorax ferruginous before and cinereous behind: *upper-wings* paler at the margin with a streak of black dots: *lower-wings* dusky. Beneath all cinereous with a brown waved streak.
- Histrionica*. Upper-wings variegated; lower-ones white with a black marginal streak.
Inhabits *India*.
Upper wings varied with brown and cinereous and striate behind.
- Gesspii*. Upper-wings varied with brown and cinereous; lower-ones hyaline immaculate.
Inhabits *South America*.
Thorax varied with cinereous and brown: *upper-wings* with an oblong brown spot at the rib near the tip, the rib dotted with white.

Larva gregarious glabrous grey-brown with a broad brown dorsal fillet surrounded by a yellow line which is intersected by white spots; is very destructive to the leaves and stems of the *Goffypium* and eagerly devoured by the *Meleagris Gallopavo*.

Brassicaria Wings indented variegated with a common gold-testaceous spot; lower-ones white.

Inhabits *South America*, on the *Brassica oleracea*.

Pupa black, the edges of the segments red.

Setosa. Wings brown with a testaceous and a white spot: fore-joints with a tuft of white hairs.

Inhabits *South American Islands*.

Body cinereous, beneath white: *tarsi* black annulate with white.

• *Præcox*. Wings cinereous with 2 subocellar spots; lower-ones reddish-brown with an abbreviated rufous band.

Inhabits *Europe*. *Donovan's Eng. Inf.* vi. tab. 213.

2. Wings entirely greenish. *Wien. Verz.* 71, 2.

Larva green and yellowish with blackish lines: *pupa* reddish-brown.

• *Pyramidea* Wings brown with 3 flexuous waved yellowish streaks; lower-ones ferruginous.

Inhabits *Europe*. *Mer. Eur.* 2. tab. 9. *Ammir. tab.* 11.

Larva naked green with a dorsal and lateral white lines, gibbous behind: *pupa* reddish-brown.

Lucipeta. Wings dull cinereous with yellowish waved streaks and spots.

Inhabits *Austria*. *Wien. Verz.* 71, 3. large.

Pyrophila. Wings cinereous with brown lunules and spots; lower-ones thinning-brown.

Inhabits *Austria*. *Wien. Verz.* 71, 4.

Body cinereous: *thorax* with a brown interrupted streak: hind-margin of the upper-wings dotted with black: lower-wings above immaculate, beneath paler with a brown lunule and streak.

Typica. Wings brown with margined stigmata and pale reticulate streaks.

Inhabits *Europe*. *Rees.* 1. *phal.* 2. tab. 5, 6.

Larva naked grey, the sides white with a black line: *pupa* folliculate reddish-brown.

• *Lucipara*.

- * *Lucipara*. Wings cinereous with dark angular marks and a broad brown band in the middle.
Inhabits *Europe*. *Donovan*. vii tab 230: fig. 2.
Wings beneath reddish-grey with a black dot and streak.
- * *Oleracea*. Upper-wings ferruginous with a yellowish lunule and white streak, 2-toothed behind
Inhabits *Europe*. *Albin*. tab 27. *Annir Inf*. tab. 7.
Upper-wings with a few yellowish spots and a streak of black dots behind: lower-ones cinereous.
Larva naked livid with black dots a brown dorsal line and lateral white one: pupa naked blackish.
- * *Xantogra-pha*. Wings black; lower-ones snowy at the base.
Inhabits *Europe*. *Clerk*. *Icon*. tab. 1. fig. 2.
- Leucomelas*. Wings slightly indented grey-brown, cinereous at the tip with a fulvous spot at the angle of the tail.
Inhabits *Austria*. *Wien. Verz.* 84, 4.
Upper wings with a black line at the base, in the middle a few spots, the hinder-one kidney-shaped with an obsolete white lunule, the tip with black marginal dots.
Larva blueish with white lines and dots, head reddish-brown.
- Convergens*. Wings indented dark brown with black waves, the tip grey; lower-ones with a white base and 2 marginal spots.
Inhabits *Austria*. *Wien. Verz.* 89, 5.
Body black: upper-wings with a grey streak at the tip which forms a spot at the angle of the tail. Beneath all black, base of the lower-ones white with a black dot.
- Rivularis*. Wings brown with a grey band bifid at the tip and edged with yellow.
Inhabits *Europe*, on the *Cucubalus*. *Wien. Verz.* 84, 6.
Larva naked glabrous varied with greenish and cinereous and marked with darker dots.
- Serena*. Wings whitish with a broad brown band spotted with yellow each side.
Inhabits *Austria*. *Wien. Verz.* 84, 4.
Body whitish speckled with brown: upper-wings white at the base with a few black dots, the tip white with black and brown streaks, the rib dotted with white and black.
- * *Pirastri*. Wings black, the thinner margin and angle of the tail dull cinereous.
Inhabits *Europe*. *Clerk*. *Icon*. tab. 1. fig. 3.

Head black: antennæ brown: thorax black with a longitudinal compressed cinereous crest: upper-wings with a few obsolete spots.

Ligustri. Wings varied with brown and greenish and slightly waved with black with a large whitish spot behind.

Inhabits Austria. *Wien Verz.* 70, 1.

Thorax varied with white and black: upper-wings with a few spots in the middle annulate with white, the margin varied with white and dotted with black.

Larva hairy green with yellow lines.

Strigilis. Wings clouded with setaceous denticles within a white terminal band.

Inhabits Sweden. *Clerk, Icon. tab.* 9, fig. 6.

Wings with a white patch at the base.

* *Aprilina*. Upper-wings greenish with black spots and triangular dots each side behind.

Inhabits Europe. *Roef Inf.* 3, tab. 39, fig. 4.

Thorax with 2 black curves: margin of the wings with triangular dots in a double row.

Larva solitary glabrous cinereous with square brown spots: pupa reddish-brown.

Runica. Wings green with a black spot and band, the tip with a single row of black triangular dots.

Inhabits Austria. *Wien Verz.* 70, 6.

Thorax black before and greenish behind.

Larva hairy above brownish with ferruginous bands and white spots.

Virens. Upper-wings green with a white lunule in the middle; lower-ones white immaculate.

Inhabits Austria. *Wien Verz.* 85, 8.

Margin of the upper-wings whitish.

Selandonia. Wings varied with green and cinereous with black waved streaks and triangular dots behind.

Inhabits Sweden. *Degeer Inf.* 2, tab. 6, fig. 24.

Head greenish: thorax greenish with 3 white spots: upper-wings with a few cinereous spots.

* *Lundifica*. Upper-wings and abdomen yellow, the latter with 3 rows of black dots.

On the Willow. *Sepp. Inf.* 4, tab. 9, Thorax spotted.

Larva tuberculate hairy with blue and yellow lines, neck and tail spotted with white: *pupa* folliculate black with red angles.

Perla. Wings cinereous with black waves and 2 brown spots.

Inhabits *Austria*. *Wien. Verz.* 70, 3.

Lower-wings whitish with a brown central dot.

Fulminans. Wings compressed pale with black and white denticles behind.

Inhabits *Germany*, small: *legs* long white.

* *Lichenes.* Upper-wings green with various black marks: lower-ones and all beneath brown.

Inhabits *Europe*. *Donovan.* vii. tab. 223. fig. 3.

Alga. Upper-wings brown with 2 green bands.

Inhabits *Germany*, on the *Lichen saxatilis*.

Lower-wings cinereous with a black central dot beneath.

Tridens. Wings cinereous with tinf black spots; lower-ones whitish.

Inhabits *Austria*. *Wien. Verz.* 67, 1.

Larva black with a sulphur line on the back, the sides dotted with red, a projecting conic tubercle on the back.

* *Pfi.* Upper-wings grey with a black line at the base and various marks resembling the greek pfi: legs immaculate.

Inhabits *Europe*. *Donovan.* iv. tab. 133. *Albin.* tab. 86.

Merian Eur. 3. tab. 42. *Ammir.* tab. 13.

Larva hairy with a pale dorsal line, the sides black spotted with red, thorax with an erect black tubercle: *pupa* folliculate, chocolate-brown.

*Hausu-
lyfera.* Wings grey; upper-pair immaculate at the base the disk marked with an o? the hind-margin with a black greek pfi.

Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia.*

Auricoma. Wings grey-brown; upper-pair with black streaks and characters: legs annulate with white at the tip.

Inhabits *Austria*. *Wien. Verz.* 67, 6.

Larva hairy black with fulvous excrescencies, the hairs on the head and tail white, and gold on the back.

Lamda. Wings grey-brown with a black line at the base and 2 in the middle.

Inhabits *Germany*.

Upper-wings with 2 obsolete darker bands.

- * *Comma*. Wings indented cinereous with a black line at the base and an adjacent thinner white one.
Inhabits *Europe*. *Wien. Verz.* 76, 9.
Lower-wings above whitish edged with brown.
- Linea*. Wings pale grey with a black line at the base: thorax with a black streak.
Inhabits *South American Islands*. *Lower-wings* white hyaline.
- Lusca*. Wings glossy cinereous with a white dot in the middle and streak of black dots behind.
Inhabits *Kiel*. *Body* cinereous.
Lower-wings and all beneath cinereous.
- * *Cbi*. Wings grey; upper-pair marked with a black X.
Inhabits *Europe*. *Alvin Inf. tab.* 83. C. D.
Larva naked green with 2 whitish lateral lines: *pupa* folliculate brown
- * *Aceris*. Wings grey with black waves: abdomen pale ferruginous at the base beneath.
Inhabits *Europe*. *Wilks pap.* 32. *tab.* 2. c. 6.
Larva spotted with white and black on the back, with red and yellow tufts of hairs.
- Arnica*. Wings brown waved with white, 2 white dots in the middle and a kidney-shaped spot.
Inhabits *Sweden*, on the *Arnica*.
Body cinereous with a bearded reddish tail: *upper-wings* with a black line at the base, behind black with 2 or 3 whitish waved streaks: *lower-wings* and all beneath dull grey.
- Euphorbia*. Wings cinereous with brown waves and whitish spots, the first round, the others kidney-shaped.
Inhabits *Austria*. *Wien Verz.* 67, 4.
Margin of the *upper-wings* dotted with brown.
Larva hairy greenish with black dorsal spots, and ferruginous collar and lunule.
- Megacephala*. Wings cinereous with black waves and a single round whitish spot.
Inhabits *Austria*. *Wien Verz.* 67, 5.
Antennae black: *abdomen* whitish: *lower-wings* white with a brown central dot beneath.
- * *Litura*. Wings grey with a black patch in the middle, in which is a white dot.
Inhabits *Europe*. *Wien. Verz.* 77, 2.
Thorax cinereous varied with brown: *upper-wings* with a black dot at the base and a few black dots behind.
Larva naked green with a pale dorsal line and a lateral one varied with white and yellow, head pale.

Depuncta. Wings greyish with black dots at the base and a streak of them behind.
Inhabits Woods of Sweden.

Pisfacina. Wings cinereous with darker waves at the tip; lower-ones brown.
Inhabits Austria. *Wien. Verz.* 77, 1.
Upper-wings with black dots at the base and a streak of them behind.

Baja. Wings ferruginous with a small black dot at the base and a double one at the tip.
Inhabits Austria. *Wien. Verz.* 77, 3.
Thorax ferruginous: abdomen cinereous: lower-wings brown with ferruginous fringe.
Larva varied with cinereous and brown with 3 white dorsal lines and a lateral yellowish one.

Rubricosa. Wings brownish, the rib white spotted with brown, the tip brown with white dots.
Inhabits Austria. *Wien. Verz.* 77, 4.
Head and thorax yellowish: upper-wings reddish at the base of the thinner-margin.
Larva grey with a pale dorsal line, each segment with 2 white dots.

Erythrocephala. Wings ferruginous with grey and brown waves, the hinder spot dotted with black: head rufous.
Inhabits Austria. *Wien. Verz.* 77, 5.
Lower-wings brown with a cinereous fringed margin. Beneath, upper-pair with a cinereous border, lower-ones cinereous with a brown dot and streak.

Grisea. Wings cinereous with pale spots and a submarginal streak of black dots.
Inhabits Kiel. Body cinereous.

Polygona. Wings slightly waved, without varied with brown and black, within pale: thorax variegated.
Inhabits Austria. *Wien. Verz.* 77, 16.
Thorax varied with brown and ferruginous with an oblique lateral black line each side: lower-wings whitish.

Barbata. Wings greyish with a brown spot in the middle and obsolete band behind.
Inhabits Barbary.

Tongue testaceous: *upper-wings* with 2 or 3 white costal dots between the spot and band: *lower-wings* whitish with a brown band.

**Perficaria* Wings clouded with brown with a white kidney-shaped spot in which is a yellow lunar pupil.

Inhabits *Europe*. *Roes. Inf.* 1. *phal* 2. *tab.* 30.

Larva naked green with a white dorsal line, the fourth and fifth segment with a darker spot; tail conic: *pupa* reddish-brown.

**Tragopoginis*. Upper-wings brown with 3 black approximate dots in the middle; lower-ones livid.

Inhabits *Europe*. *Donovan.* vii. *tab.* 223. *fig.* 2.

Larva naked green with 6 white lines and white stigmata: *pupa* folliculate brown.

Hepatica, Wings dull grey with a brown spot and 3 white costal dots. Inhabits *Sweden*. *Clerk. Icon.* *tab.* 8. *fig.* 3.

Acetofella. Wings pale orange with 2 oblique cinereous streaks; lower-ones brownish with a chestnut-brown margin.

Inhabits *Austria*. *Wien. Verz.* 84, 1.

Antennæ reddish: *head* and *thorax* orange: *upper-wings* with a few common spots between the streaks.

Larva naked, the back fulvous with 2 brown stripes, sides reddish, head rufous with 2 purple lines dotted with black.

Turca. Wings yellowish with 2 brown streaks and a pale yellow lunule.

Inhabits *Europe*. *Wien Verz.* 84, 2,

Margin of the *wings* purplish: all beneath pale with a brown streak.

Larva reddish-ochre with a whitish dorsal line: beneath yellowish-white with a lateral darker line, the incisures with black lines head brown.

Conigra. Wings yellowish with 2 brown streaks and a triangular white dot in the middle.

Inhabits *Austria*. *Hybn. Beyr.* 4. *tab.* 4. Z.

Antennæ yellowish: *lower-wings* dusky.

Larva grey with white and black lines and a brown head, the first segment black with 3 white lines.

Albipuncta. Wings cinereous with a white lunule in the middle and 2 streaks of brown lunules.

Inhabits *Austria*. *Wien. Verz.* 84, 4.

Larva

Larva grey with white lines and black dots, the first segment brown with 3 white lines.

Polyodon. Wings indented clouded, with an indented white streak behind.

Inhabits *Europe*. *Wien. Verz.* 72, 1:

Wings beneath cinereous with a brown curve and dot.

Larva brown, the sides pale with oblique black lines.

Flavocincta. Wings indented varied with brown and cinereous and dotted with fulvous.

Inhabits *Austria*. *Roef. Inf.* 1. *phal.* 2. *tab.* 44, 45.

Head cinereous, a little fulvous at the base: *thorax* cinereous with brown and fulvous specks: rib of the *upper-wings* dotted with white: *lower-wings* cinereous with a brown streak above and a dot and streak beneath.

Larva green with a pale lateral line.

Eremita. Wings ferruginous with 2 white waved streaks, the first obsolete, the other flexuous.

Inhabits *Germany*.

Hind-margin of the *upper-wings* dotted with black; beneath cinereous tipped with brown: *lower-wings* cinereous, with a brown dot and streak beneath.

Nigricans. Wings blackish with paler spots.

Inhabits *Europe*. *Wien. Verz.* 81, 19.

At the thicker margin are a few minute dots.

Larva naked grey-brown dotted with black, with a paler dorsal line.

Perflua. Wings slightly indented, cinereous with a broad black band in which is a subcellular dot.

Inhabits *Austria*; large.

Hind-margin of the *upper-wings* darker with brown lunules: *lower-wings* brown.

Fumosa. Wings blackish with a streak of white dots behind.

Inhabits *Austria*. *Wien. Verz.* 81, 18.

Body entirely blackish.

Aurita. Wings shining brown with a cinereous flexuous band in the middle: head 2, thorax 4-toothed.

Inhabits *Spain*.

Head with 2 erect denticles of stiff hairs, *thorax* with 4: tip of the *upper-wings* striate with white and black.

Oculæ. Wings varied with brown and ferruginous with a pale kidney-shaped spot.
Inhabits *Sweden*.
Wings reddish at the thin edge and brown at the thicker.

Myopa. Wings brownish with a fulvous spot in the middle with a white iris, and a kidney-shaped one behind with a brown lunule.
Inhabits *Denmark*; small grey.
All the wings beneath cinereous.

Flavicornis Upper-wings cinereous with 3 black streaks: antennæ pale yellow.
Inhabits *Europe*. *Clerk Icon. tab. 6. fig. 9.*
Larva naked greenish with white lateral dots; head flesh-colour.

Clavaria. Wings brown with 3 waved cinereous streaks and a testaceous spot in the middle.
Inhabits *Austria*. *Wien. Verz. 72. 7.*
Upper wings with 2 marginal whitish spots and 2 black dots in the testaceous one: lower-wings brown with white waves beneath.

**Triplacia.* Upper-wings with a double curve turning contrary ways and 3 glaucous spots between them.
Inhabits *Europe*. *Donovan. tab. 298. Merian. Europ. tab. 97.*
Larva naked green with 2 brown tubercles on the back and one on the tail: *pupa* folliculate reddish-brown.

Asclepiades. Wings glaucous, the middle darker with 2 curves turning contrary ways: fore-part of the thorax with 2 ocellar spots.
Inhabits *Austria*. *Wien. Verz. 91. 2.*
Larva naked pale with black dots and a yellow lateral line.

Variegata. Wings varied with pale orange and white: head and thorax snowy.
Inhabits *Italy*. *Noctua Mixta. Fabricius, n. 356.*
Lower-wings cinereous tipped with brown.

Triflis. Wings cinereous slightly waved with brown, the outer margin dotted with black; beneath pale with a brown band.
Inhabits *Sweden*.
Upper-wings with a few spots in which is a darker lunule.

**Rumicis.* Wings grey with brown streaks and clouds and an ocellar spot in the middle.

Inhabits *Europe*. *Donovan*. iv. *tab.* 126. *Albin*. *tab.* 32.

Merian. *Eur.* *tab.* 82. *Wilks*. *pap.* *tab.* 3. a. 1.

Lower-wings and *abdomen* pale brown.

Larva hairy blackish with white and red dots and a yellow lateral line: *pupa* folliculate brown.

Albocincta. Wings black with white waves and spots in the middle annulate with white.

Inhabits *Kiel*. *Body* grey.

Ridens. Wings varied with green brown and white with a white spot at the base and 2 waved streaks: antennæ yellowish.

Inhabits *Germany*.

Head and *thorax* greenish speckled with white: *upper-wings* with streaks of white lines and black lunules towards the tip.

* *Exoleta*. Wings lanceolate convolute clouded with brown and cinereous with 4 white marginal dots.

Inhabits *Europe*. *Wilks* *pap.* 8. *tab.* 1. a. 18.

Larva naked green dotted, with a whitish lateral line: *pupa* naked reddish-brown.

Deperdita. Wings pale, the outer margin brown with 2 pale spots.

Inhabits *Kiel*.

Antennæ pectinate, setaceous at the tip: *thorax* cinereous with a brown spot each side: *upper-wings* with 2 pale dots between the spots and a streak of minute black dots towards the tip: *lower-wings* pale with a black margin.

* *Verbasci*. Wings scalloped indented pale yellow with brown margins.

Inhabits *Europe*. *Donovan*. viii. *tab.* 257. *Mer.* *Europ.* *tab.* 29.

Wilks *pap.* *tab.* 1. a. 15. *Harris*. *tab.* 8. *fig.* a, d.

Lower-wings pale brown with a white marginal streak.

Larva naked grey with yellow and black dots: *pupa* folliculate reddish brown.

Asteris. Wings striate cinereous with black margins, the exterior with 3 black dots.

Inhabits *Austria*. *Wien Verz.* 312, 10.

Antennæ above white beneath ferruginous: *upper-wings* with a white lunule on the thinner-margin: *lower-wings* brown with a white disk and fringe.

Chamomil-læ. Wings lanceolate striate grey with 2 minute black central dots, beneath immaculate.

Inhabits *Austria*. *Wien Verz.* 73, 3.

Antennæ ferruginous : *head* brown with cinereous streaks : *thorax* with a black marginal streak before : *abdomen* with a few tufts of hairs at the base : *lower-wings* striate cinereous with white fringe, beneath a small brown central lunule.

Tanacet. Wings lanceolate striate grey with 2 black lines: lower-ones white, beneath immaculate.

Inhabits *Austria*, *Wien. Verz.* 73, 5.

Antennæ ferruginous, whitish at the base : *thorax* cinereous with a brown streak before : *upper-wings* with 3 costal dots : *lower-wings* with a blackish margin above.

Larva naked grey with black dots and yellow lines.

Lactuca. Wings striate lanceolate grey with obsolete brown waves ; beneath brown with a white disk on the lower-ones.

Inhabits *Austria*. *Wien. Verz.* 76, 7.

Thorax with an interrupted brown streak : *upper wings* beneath brown, the base and margin pale with 3 paler costal dots.

Larva black with lateral white rings and a macular dorsal fulvous line, head black with a bifid white line before,

• *Umbratica.* Wings striate lanceolate grey with a ferruginous spot in the centre in which are 2 black dots.

Inhabits *Europe*. *Donovan.* viii. tab. 262. fig. 2.

Lower-wings and all beneath pale brown.

Larva naked blackish with 3 rows of red dots, tail pointed : *pupa* reddish-brown.

Oblinita. Wings lanceolate grey with black dots towards the margin. Inhabits *America*. *Smith's Lepidopt. Inf. of Georgia*.

Lactea. Wings snowy immaculate.

Inhabits *Southern Russia*

Antennæ and whole *body* white immaculate.

• *Putris.* Wings subpunctured, the outer-margin brown with an adjoining subocellar spot.

Inhabits *Europe*. *Wien. Verz.* 75, 4.

Thorax pale, testaceous before.

Larva naked with black yellow and whitish dots and brownish striæ : head black.

Lithoxylea. Wings indented cinereous spotted with brown, the hind-margin brown.

Inhabits *Austria*, on the Pear-tree.

Thorax with a rufous dorsal line : *lower-wings* cinereous with a brown hind-margin, beneath immaculate.

Petrifacila. Wings indented clouded with grey and brown: lower-ones brown: head 4-cleft before.

Inhabits *Austria*, on the Oak. *Wien. Verz.* 75, 3.

Larva naked green with a white dorsal line and short scattered ones, stigmata snowy annulate with black, head green.

Rhizolista. Wings slightly indented cinereous with a black line at the base and in the middle: thorax with a bifid crest.

Inhabits *Austria*, on the Oak. *Wien. Verz.* 75, 6.

Head transversely bifid: *thorax* cinereous with a black marginal lunule before. *upper-wings* with black lunules in the middle and dots at the tip: *lower-wings* above brown, beneath cinereous with a brown dot in the middle and streak behind.

Larva a little hairy green speckled with white, on the back a blueish line.

Conformis. Wings indented grey with 2 black lines; abdomen reddish-brown beneath.

Inhabits *Austria*. *Wien. Verz.* 76, 1.

Antennæ blackish: *upper-wings* with a reddish spot adjoining the outer line: *lower-wings* dusky. Beneath all cinereous with a reddish gloss, a brown dot in the middle and streak behind.

Advena. Wings indented varied with cinereous and brown: thorax with a bifid crest.

Inhabits *Austria*. *Wien. Verz.* 77, 11.

Upper-wings with a black streak behind and common spot in the middle: *lower-wings* brown.

Basilinea. Wings ferruginous or grey with brownish waves and a flexuous black line at the base: thorax with a bifid crest.

Inhabits *Austria*. *Wien. Verz.* 78, 72.

Radicea. Wings indented variegated, with an indented white streak behind: thorax with a raised bifid crest.

Inhabits *Austria*. *Wien. Verz.* 81, 15.

Head and *thorax* ferruginous with a black streak before: *upper-wings* with a black line at the base, in the middle of the thinner margin a white patch with a black line, the tip with an indented whitish streak: *lower-wings* whitish at the base and tip with brown. Beneath reddish at the tip.

Larva naked cinereous with raised spots, head and tail black.

ea. Wings varied with grey and brown; lower-ones brown with a white thicker margin

Inhabits *England*.

Head

Head fulvous, eyes black : *feelers* brown with a whitish tip: *thorax* and *abdomen* cinereous: *upper-wings* grey at the base with a black line at the thicker margin, in the middle a large brown spot in which are a few common ones, behind this 3 small white dots at the thicker margin and a few brown ones on the disk, the margin and spot at the angle of the tail brown: *lower-wings* with a whitish outer and hind-margin, beneath pale with a brown dot and curve.

- * *Myrtilli.* Wings ferruginous spotted with white; lower-ones yellow with a black border.

Inhabits *Europe.* *Donovan.* vii. tab. 221.

Larva naked green with 5 rows of blackish tubercles: *pupa* chocolate brown with white stigmata.

- * *Arbuti.* Wings brown; lower-ones black with a yellow band.

Inhabits *England.* *Natuf.* 3. tab. 1. fig. 8.

Upper-wings with an obsolete waved darker streak: *lower-wings* with a whitish margin. Beneath, upper-pair brown with a yellow band, lower-ones yellowish.

Hyblæa.

- Lagopus.* Wings deflected, cinereous at the base and tip with brown legs very hairy.

Inhabits *East India.* *Antennæ* hairy.

Feelers large obliquely truncate: *upper-wings* with a brown dot in the middle between 2 obsolete waved streaks, the hind-margin subangular; beneath cinereous with a brown streak: *lower-wings* beneath cinereous with 2 brown streaks.

- Refrata.* Wings deflected brown with a common cinereous spot in the middle and one at the rib.

Inhabits *East India.* *Antennæ* naked.

Lower-wings yellowish with a brown curve at the margin. Beneath, upper-pair cinereous with 2 brown spots, lower-ones cinereous with a brown margin.

- Sagitta.* Wings deflected, grey with a large black marginal spot; lower-ones yellow tip with brown.

Inhabits *India.*

Head and *thorax* grey: *abdomen* yellow: *upper-wings* beneath brown: *lower-wings* beneath yellow with a brown margin.

- Gemina.* Wings deflected indented, varied with cinereous and brown; with 2 central reddish-brown dots and a larger white one.

Inhabits

Inhabits East India.

Wings cinereous at the base which is terminated by a rufous streak, beneath dusky with a black lunulate streak in the middle.

Defforata. *Wings* incumbent grey; lower-ones yellow with a black fillet and marginal band.

Inhabits East India.

All the *wings* beneath yellowish with a brown spot in the middle and hind-margin.

Saga. *Wings* incumbent glossy-brown: lower-ones black with 2 fulvous spots.

Inhabits Coromandel.

Upper-wings beneath black with a yellow margin and 2 spots: *lower-ones* beneath ferruginous speckled with black: *abdomen* brown on the back, the edges of the segments fulvous.

Hepialus.

* *Humuli.* *Wings* of the male snowy striate, of the female yellow with fulvous marks.

Inhabits Europe. Donovan. viii. tab. 274. fig. 1.

Harris Eng. Inf. tab. 4. fig. a—d.

Larva 16-footed pale with a testaceous head: *pupa* folliculate blackish aculeate.

Jodutta. *Wings* livid with 2 darker bands.

Inhabits Germany. Wien. Verz. 61, 6.

Lower-wings immaculate.

Lupulina. *Wings* cinereous with a whiter streak.

Inhabits Europe. Clerk. Icon. tab. 9. fig. 4.

Wings sometimes ferruginous.

* *Hestia.* *Wings* deflected yellow with 2 oblique whitish bands consisting of interrupted dots.

Inhabits Europe. Donovan. viii. tab. 274. fig. 2.

Lower-wings livid-brown.

Obliqua. *Wings* deflected brown with a white line at the base and 2 oblique bands consisting of interrupted dots.

Inhabits France.

Antennae ferruginous: *head* and *thorax* hairy cinereous.

Carna. Wings brown; upper-pair with scattered white and black dots.
Inhabits *Austria*. *Wien. Verz. App.* 310, 7.

Crux. Wings reddish-yellow with 2 oblique white lines: antennæ ferrate.
Inhabits *Germany*.
Antennæ rufous: *head* and *thorax* hairy grey: *lower-wings* and *ail* beneath darker.

Tesudo. Wings yellow (ferruginous) with 2 oblique dusky streaks.
Inhabits *Germany*. *Wien. Verz.* 65, 1.
Larva without feet, ovate naked green with 2 whitish dorsal lines: *pupa* folliculate reddish-brown.

Asella. Wings deflected brownish immaculate.
Inhabits *Austria*, on the Poplar. *Wien. Verz.* 65, 2.
Larva without feet, ovate red, with a yellow dorsal line dotted with black, the sides green: *pupa* folliculate reddish-brown.

Bufa. Wings deflected yellowish with a broad brown band.
Inhabits *Germany*.
Antennæ and *body* yellowish: *upper-wings* with 2 spots in the band: *lower-wings* brown, yellowish at the angle of the tail.
Beneath, upper-pair brown, lower-ones yellowish.

Cossus.

* *Cossus.* Upper-wings grey with numerous short curves and black streaks: thorax with a black band behind.
Inhabits *Europe*. *Donovan. iv. tab.* 114. *Albin. tab.* 35. *fig.* 56.
Merian Eur. tab. 36. *Wilks. pap.* 15. *tab.* 2. a. 2.
Larva flesh-colour with a scarlet back and black head; is generally found in decayed wood, and was eaten as a delicacy by the Romans: *pupa* folliculate reddish brown before and yellow behind.

Unguiculata. Upper-wings grey with numerous short lines and specks; lower-ones whitish with a brown spot and streak behind: fore-shanks with a claw in the middle.
Inhabits *Italy*.
Head cinereous with a black line: *thorax* cinereous with 4 black lines: *abdomen* brown.

Terebra. Wings indented on the back, cinereous with ferruginous brown specks and waved streaks: thorax with a whitish streak behind.

Inhabits

Inhabits *Germany.* *Wien. Verz.* 60, 2.

Antennæ hardly pectinate whitish: *thorax* hairy brown with a white streak behind: *abdomen* whitish, the tail brown: *lower-wings* and all beneath whitish.

- * *Æsculi.* Wings white with numerous dark blue dots, *thorax* with 6.
Inhabits *Europe.* *Donovan's Eng. Inf.* v. tab. 152.
Harris's Eng. Inf. tab. 2. fig. 3, 4.
Antennæ of the male feathered at the base and setaceous at the tip, of the female setaceous.
Larva yellow dotted with black, head and tail black.

- Scalaris.* Wings snowy with numerous abbreviated black streaks and a longitudinal fulvous one.
Inhabits *China.*
Head fulvous: *antennæ* feathered, the tip naked and hooked: *thorax* snowy with a black streak before and a broad dorsal fulvous line: *lower-wings* white immaculate.

- Pyrina.* Wings snowy with numerous transverse black dots, *thorax* with 12 blue ones.
Inhabits *North America.*
Head white with a blue front: *thorax* smooth white with 12 dots, 2, 4, 4, 2. rib of the *upper-wings* a little ferruginous.

Pyralis. Tortrix of Gmelin.

- * *Bankiana* Wings brown, with 2 snowy bands, the hinder-one 1-toothed.
Inhabits Woods of *England*; large.

- * *Leeana.* Wings pale with a brown central spot.
Inhabits *England.*
Lower-wings cinereous immaculate: beneath all dusky.

- Lunana.* Wings pale with 2 brown spots in which is a black dot.
Inhabits *East India.*
Rib of the *upper-wings* reddish from the middle to the tip: *lower-wings* whitish.

- * *Prasinana* Upper-wings green with 2 oblique yellowish streaks; lower-ones white.
Inhabits *Europe.* *Donovan.* ii. tab. 40. the upper figure.
Antennæ and *legs* white or fulvous.
Larva green with a yellowish lateral line and a tubercle on the second segment: *pupa* green with a black dorsal line.

- * *Fagana*. Upper-wings green with 3 oblique white streaks; lower-ones whitish-green.
 Inhabits *Europe*. *Donovan*. viii. tab. 281. *Albin*. tab. 31.
Abdomen and legs fulvous: wings reddish at the margin.
Larva green with a yellow lateral line and bifid tail: *pupa* folliculate ferruginous.
- Sylvana*. Wings green with 2 white streaks behind terminating each side in a common ferruginous spot.
 Inhabits Woods of *Europe*.
 Head and *thorax* green immaculate.
- * *Viridana*. Wings rhombic; upper-pair green immaculate; lower-ones brown.
 Inhabits *Europe*. *Donovan*. iv. tab. 144.
Harris tab. 10. fig. 1, 2. *Wilks*. pap. 4. tab. 1. n. 5.
Larva naked 16-footed green dotted with black, head red, hind-legs yellow: *pupa* folliculate chestnut-brown with a bifid style behind.
- * *Chlorana* Wings rhombic; upper-pair green with a white margin.
 Inhabits *Europe*. *Roes.* *Inf.* 1. *phal.* 4. tab. 3.
Larva green dotted with white, the sides spotted with brown.
- Vernana*. Wings rhombic, pale greenish; lower-ones white with a greenish margin
 Inhabits *Austria*; resembles *Ph. viridana*. *Body* white.
- Palbiana*. Wings rhombic, greenish with a white line; lower-ones black with a white margin and spot in the middle.
 Inhabits *Kiel*. *Body* black.
 All the wings beneath black with a white spot and edge.
- Candidana*. Wings snowy with a brown band and broad tip.
 Inhabits *France*.
Antennæ brown: head and *thorax* snowy: lower-wings brown.
- 6-punctana*. Wings yellow with marginal ferruginous dots and band behind.
 Inhabits *East India*.
Antennæ brownish: head and *thorax* yellowish; lower-wings cinereous with a brownish tip.
- * *Uncana*. Wings brown with a whitish outer-margin sending out a recurved branch in the middle.
 Inhabits *Europe*. *Clerk*. *phal.* 3. tab. 7.

- Plumbana.* Wings lead-colour with 3 ferruginous lines and large spot at the tip.
Inhabits *Hamburg*; half the size of the last.
Upper-wing with a small dot between the second and third lines.
- Sponsana.* Wings grey with pale rufous specks.
Inhabits *Austria. Wien. Verz.* 129, 1. large.
- Hattorf-ana.* Wings brown with 3 oblique cinereous streaks.
Inhabits *Germany.*
Upper-wings with 2 darker spots between the second and third streak: *lower-ones* dusky.
- Hybnerana.* Wings cinereous with brown spots and transverse black lines.
Inhabits *Saxony*; large.
Upper-wings with a black dot at the tip: *lower-ones* dusky with a whitish outer margin.
- Herman-niana.* Wings ferruginous speckled with brown.
Inhabits *Austria. Wien. Verz.* 315, 30.
Lower-wings brown.
- Inundana.* *Upper-wings* with grey and brown waves and a white dot in the middle.
Inhabits *Austria. Wien. Verz.* 132, 6.
Body and *lower-wings* brown.
- * *Rosana.* *Upper-wings* testaceous with an oblique grey band.
Inhabits *Europe. Merian. Eur.* 1. tab. 19.
- Italiana.* Wings pale golden; head fulvous.
Inhabits *Italy. Pyralis aurana. Fabricius. n.* 21.
Antennæ whitish: *upper-wings* immaculate.
- Tristana.* Wings with cinereous and black waves and 2 waved white streaks.
Inhabits *Italy.*
Head black, *mouth* white: *wings* whitish beneath.
- Burman-niana.* Wings pale with 4 white costal spots on the upper-pair.
Inhabits *Surinam. Cramer.* 31. tab. 372. H.
Head ferruginous: *wings* with a black hind-margin.
- Payquay-ana.* Wings ferruginous immaculate.
Inhabits *Austria. Wien. Verz.* 418, 21.
Head and *thorax* ferruginous: *lower-wings* cinereous.

Trifasciana Wings white with 3 brown bands, the third dotted with black.

Inhabits *Italy*. Body whitish.

Upper wings with a few black dots on the band at the tip.

Vitana. Wings greenish-brown with 3 oblique brown bands, the third marginal.

Inhabits *France*. *Dantic. Mem. d'Agric.* 1786. *tab.* 4.

Head brown: *thorax* brown with a grey gloss: *lower-wings* brown.

Larva greenish with a black head and yellow spot on the first segment:

Pallidana. Wings pale yellow with 2 oblique ferruginous streaks.

Inhabits *Hamburg*.

Upper-wings with a few ferruginous lines behind the bands.

* *Christiana*. Wings yellow with red bands crossing each other in the middle.

Inhabits *England*. *Donovan's English Insects*: 1. *tab.* 20. *fig.* 1.

Body and *lower-wings* brownish-grey.

* *Smeathmanniana*. Wings whitish with 2 oblique brown bands, the first abbreviated, the other interrupted.

Inhabits *England*. *Lower-wings* dusky.

Cretana. Wings white with 3 brown bands, the third abbreviated.

Inhabits *Austria*. *Wien. Verz.* 129, 3.

Body large brown: *lower-wings* dusky.

Lactana. Wings cinereous; upper-pair with scattered black dots.

Inhabits *Georgia*.

Body small snowy: *lower-wings* snowy with a small black mark at the hind-margin.

Decussana. Wings very finely barred with cinereous black and silvery, the tip with a black subocellar spot.

Inhabits *Germany*.

Upper-wings with a broader band in the middle spotted with black and silver, behind a large cinereous spot inclosed by a double silvery line: *lower-wings* brown.

* *punctana*. Wings brown with 2 broad whitish bands, the hinder-one with 2 black costal dots.

Inhabits *Italy*. *Lower-wings* dusky.

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- Ameriana.* Upper-wings testaceous with a common ferruginous spot.
On the Willow. *Reaum. Inf. 2. tab. 18. fig. 6, 7.*
- Maculana.* Upper-wings brown with 4 black ferruginous dorsal spots.
Inhabits woods of *Sweden.*
Wings brown speckled with cinereous, beneath all cinereous.
- * *Fuscana.* Upper-wings brown immaculate.
Inhabits *Europe.* *Wien. Verz. 128, 1.*
- Hartman-
niana.* Upper-wings grey with a black line in the middle joined to
a white one.
Inhabits *Europe.* *Wien. Verz. 131, 31.*
- * *Forstera-
na.* Upper-wings dull cinereous with 2 brown marginal spots.
Inhabits *England.* In the museum of *Sir Jof. Banks.*
Head and thorax brown immaculate.
- Pillerana.* Upper-wings gold with 2 oblique brown bands.
Inhabits *Austria.* *Wien. Verz. 126, 2.*
Large. Lower-wings brown.
- Saldonana.* Wings with white and brown waves and a broad black band
in the middle.
Inhabits *Paris*; large.
Head and thorax speckled with white and black, the latter with
a black band and 2 dots: margin of the wings with a black
streak
- Costana.* Wings pale testaceous with 2 brown costal spots.
Inhabits *Germany.* *Wien. Verz. 127, 5.*
- * *Xylostea-
na.* Upper-wings testaceous with an oblique brown band.
Inhabits *Europe.* *Degeer. Inf. 1. tab. 27. fig. 9, 10.*
- * *Ministra-
na.* Upper-wings testaceous with a rufous hind-margin, in the
middle a ferruginous mark with a white line
Inhabits *Europe.* *Clerk. phal. tab. 2. fig. 12.*
- Smidtiana.* Wings slightly indented yellow with a brown band and streak
and white marginal spots.
Inhabits *Germany*; large.
Upper-wings yellow at the base, in the middle a broad band in
which is a small ferruginous dot, behind this a waved brown
streak, the hind-margin spotted with white and brown: lower-
wings grey. Beneath all grey with 2 brown waved streaks.

Servana. Upper-wings brownish with a fulvous spot in the middle, the base yellow.

Inhabits *Germany*.

Upper-wings a little gilt behind with snowy fringe in which is a brown spot: *lower-ones* cinereous.

Lævigana. Upper-wings brown-testaceous with a ferruginous spot in the middle.

Inhabits *Austria*. *Wien. Verz.* 129, 12.

Lower-wings brown with a ferruginous spot at the tip.

Pflugiana. Wings brown with a common dorsal snowy curve and angle of the tail

Inhabits *Germany*.

Upper-wings with a few short silvery streaks at the thicker margin behind: *lower-wings* blackish, beneath cinereous.

* *Crystallina.* Upper-wings yellow-brown with dark shades, a broad irregular white mark and a tuft on the centre.

Inhabits *England*. *Donovan. iii. tab. 77. fig. 1, 2.*

Head and *thorax* white, the latter with a brown band before: *abdomen* brownish: *upper-wings* with a short white streak at the tip: *lower-ones* brown.

* *Udmaniana.* Wings dark grey with an angular common chestnut-brown mark.

Inhabits *Europe*. *Donovan. v. tab. 153. fig. 1—3.*

Larva rosy with white lateral spots and black head and collar: *pupa* reddish-brown.

* *Solandra-na.* Wings pale, subfasciate with white, with a common dorsal ferruginous spot.

Inhabits *Europe*. *Degeer Inf. 1. tab. 28. fig. 29, 30.*

The common spot is surrounded with a white line.

Larva cinereous speckled with black, head and first segment of the body brown.

Rusticana. Wings grey with a common white spot on the back.

Inhabits *France*. *Legs* white.

Variegana. Wings white with a common dorsal brown spot and hind-margin.

Inhabits *Austria*. *Wien. Verz.* 130, 6.

Head and *thorax* white: *abdomen* yellowish.

Trapezana. Wings testaceous with a common dorsal cinereous spot in which are a few testaceous streaks.

Inhabits *Germany*.

Head grey : *thorax* testaceous : *wings* beneath cinereous.

Lufcana. Wings pale with a brown band at the base common dorsal spot and mark at the tip.

Inhabits *Austria. Wien. Verz.* 330. 7.

Rib of the *upper-wings* dotted with brown : *lower-wings* brown.

**Pupillana* Wings pale with 2 oblique brown bands, angle of the tail with a blackish spot in which are 3 silvery dots.

Inhabits *England, on the Absinthium.*

Body cinereous : *lower-wings* brown immaculate,

Stroemiana Wings brown with 2 cinereous dorsal spots.

Inhabits *Germany.*

Outer-margin of the *upper-wings* striate with white : *lower-wings* brown.

**Zoegana.* Wings yellow with a brown central dot, the tip brown with a yellow spot.

Inhabits *Europe. Donovan. iii. tab.* 106. *fig.* 2:

Abdomen and *lower-wings* pale brown,

**Hamana.* Upper-wings yellow with a redish-brown dot and hooked mark behind.

Inhabits *Europe. Harris. tab.* 1. *fig.* 1. 2.

This is probably only a variety of the last.

Cruciana. Wings whitish-ash with a curved ferruginous spot behind.

Inhabits *Europe. Wien. Verz.* 122. 3.

Kackritzia Wings yellowish with a single ferruginous dot.

na. Inhabits *Europe. Wien Verz.* 127. 1.

Viburnana Upper-wings shining grey-brown immaculate; lower-ones brown with a whitish margin.

Inhabits *Austria, Wien. Verz.* 128. 15.

Cinerana. Wings dull cinereous immaculate.

Inhabits *Germany.*

Triangulana. Wings varied yellow and brown with a yellow base and marginal spots.

Inhabits *American Islands. Lower-wings* cinereous.

Margana. Wings chestnut-brown with a yellow outer margin in which are 2 chestnut-brown bands.

Inhabits

Inhabits *American Islands*.

Head and thorax variegated: breast and legs snowy: upper-wings with a small ring in the middle, angle of the tail brownish.

**Obliquana* Wings cinereous with oblique fulvous bands edged with white.

Inhabits *England*; large.

Antennæ slightly pectinate brown: head and thorax ferruginous: upper-wings with 3 oblique bands edged round with white.

Lactana. Upper-wings brownish, base of the outer-margin snowy with black dots.

Inhabits woods of *Sweden*.

Upper-wings with a reddish-brown spot at the tip in which are a few white lines, the hind-margin half white.

Profundana Wings variegated cinereous and brown with a common white dorsal spot,

Inhabits *Austria*. *Wien. Verz.* 132. 1.

Rib of the upper-wings dotted with black: lower-ones brown.

**Brynnichana*. Wings brown with a common brown rhombic dorsal spot.

Inhabits *Europe*. *Wien Verz.* 132. 1.

Outer-margin of the wings slightly spotted with white, the hind-margin a little reddish.

Jacquiana Upper-wings golden with a common white dorsal spot and costal dots.

Inhabits *Austria*. *Wien. Verz.* 132. 4.

Populana. Upper-wings brown with gold and silver streaks at the tip, in the middle a common white spot in which is a brown dot.

Inhabits *Sweden*: on the Poplar.

Upper-wings with white costal dots.

Rossiana. Wings chestnut-brown with a common snowy spot and hairy dot in the middle.

Inhabits near the Waters at *Spa*.

Head and thorax snowy: upper-wings brown within.

Communana Wings dusky variegated, with a common white dorsal spot.

Inhabits *Italy*.

Head and thorax brown: upper-wings with darker streaks and a few obsolete whitish dots at the tip.

**Pruxiella* Wings purplish-brown with a white stripe down the middle in which is a black dot.

Inhabits

Inhabits *England*. *Donovan ii. tab. 58. fig. 1.*

Head and thorax white : abdomen and lower-wings grey.

Tramiana. Upper-wings blackish with a common yellow dorsal spot.

Inhabits *Austria. Wien. Verz. 132. 3.*

Upper-wings with an obsolete gold streak behind in which are 4 yellow costal dots.

Weeberana Wings varied with black and fulvous with numerous silvery streaks and yellow dots on the rib.

Inhabits *Austria. Wien. Verz. 126. 9.*

Upper-wings black with fulvous specks and streaks, the tip with an obsolete brown dot in which are 3 fulvous lines; *lower-wings* brown, the anterior margin whitish at the base.

* *Arcuana.* Wings pale yellow with 3 curved bands, and a black spot on the disk in which are 3 silvery dots.

Inhabits *Europe. Clerk. phal. tab. 10. fig. 8.*

At the base of the *wings* are 3 silvery lines.

* *Lecheana* Upper-wings testaceous with silvery I. L. thorax silvery.

Inhabits *Europe. Clerk. phal. tab. 10. fig. 2.*

Buoliana. Upper-wings fulvous with white subreticulate streaks.

Inhabits *Austria. Wien. Verz. 128. 16.*

Lower-wings brown.

Corylana Upper-wings yellow reticulate with testaceous and with 3 short brown bands.

Inhabits *Kiel, on the Nut-tree.*

Hind-margin of the *upper-wings* brown : *lower-ones* pale.

* *Avellana.* Upper-wings testaceous with 3 short brown bands.

Inhabits *Europe. Wien. Verz. 127. 8.*

Fasciana. Upper-wings dull cinereous with a brown band in the middle and dot at the tip.

Inhabits *France. Wien. Verz. 128. 3.*

* *Hastiana.* Upper-wings brown with an oblique white streak.

Inhabits *Europe. Clerk. phal. tab. 2. fig. 7.*

Decimana Upper-wings fulvous with silvery streaks, a yellow band and 3 yellow dots.

Inhabits *Austria. Wien. Verz. app. 300.*

Head and thorax fulvous : *lower-wings* black.

- Baumanni-ana.* Upper-wings yellow with 2 nearly anastomosing ferruginous bands edged with silver, the hinder-one interrupted.
Inhabits *Austria*.
Head and thorax ferruginous : lower-wings brown.
- Heiseana.* Wings yellow with silvery streaks and yellow dots.
Inhabits *Saxony. Wien. Verz. 126. 7.*
Head fulvous : body cinereous ; lower-wings and all beneath cinereous.
- Allionana.* Wings gold with 4 yellow spots.
Inhabits *Italy*.
Head hairy yellow : thorax brown : lower-wings cinereous.
- Variana.* Upper-wings varied with ferruginous and brown ; lower-ones brown with a fulvous tip.
Inhabits *Kiel*.
Wings beneath brown with fulvous tip.
- **Interrogationana.* Wings red-brown with a white flexuous line and dot resembling a note of interrogation.
Inhabits *England. Donovan. ii. tab. 65, fig. 1.*
Body and lower-wings pale brown.
- Lediana.* Wings brown with 2 silvery-red bands.
Inhabits *Europe. Clerk phal. tab. 10. fig. 12.*
- Schalleriana.* Wings grey with a marginal ferruginous spot.
Inhabits *Europe : small.*
Upper-wings with a few muricate dots at the base.
- Rufana.* Wings reddish-grey with a brown marginal spot and white dot in the middle.
Inhabits *Austria. Wien. Verz. 129. 8.*
Head and thorax brown : lower-wings cinereous.
- Badierana.* Wings yellowish with 2 white waved streaks.
Inhabits *American Islands. Lower-wings whitish.*
- Roborana.* Wings cinereous with 2 marginal testaceous spots; that at the base less.
Inhabits *Germany, on the Oak.*
Thorax cinereous with 3 large pale ferruginous spots.
- Laterana.* Upper-wings brown-ferruginous with 3 raised tufted dots at the base and a marginal black spot.
Inhabits *Zealand. Body rusty-brown.*
Lower-wings and all beneath cinereous.
- **Modestiana.* Upper-wings yellowish with a marginal brown spot behind.

Inhabits *Northern Europe.*

Head and thorax ferruginous : lower-wings white.

- **Schreberiana.* Upper-wings grey with a white triangular marginal spot.
Inhabits *Europe.* *Panz. Fn. Germ.* 7. tab. 19.

- **Helmiana* Upper-wings pale yellow-ferruginous with a white triangular marginal spot.
Inhabits *Europe.* *Clerk. Phal. tab.* 10. fig. 7.

- **Francilana.* Wings pale yellow with 2 chefnut-brown streaks.
Inhabits *England.* In the Collection of Mr. *Francillon.*
Head and thorax pale yellow : abdomen brown, the tail yellowish : lower-wings brownish.

- Rolandriana,* Upper-wings pale testaceous with oblique ferruginous streaks, the hind-ones meeting.
Inhabits *Europe.* *Wien. Verz.* 128. 13.
Between the last streaks which meet at the thinner margin is a costal ferruginous spot.

- Griseana* Wings grey-brown, the tip darker with a white marginal spot.
Inhabits *American Islands.*
Wings terminating in a whitish streak.

- **Gnomana* Upper-wings yellow with an oblique testaceous band and ferruginous marginal spot behind.
Inhabits *Europe.* *Clerk. Phal. tab.* 2. fig. 14.

- **Oporana* Upper-wings ferruginous spotted and reticulate with brown.
Inhabits *Europe.* *Wiks. pap.* 17. tab. 2. a. 4.
Lower-wings yellow before and brown behind.

- Gerningana* Wings reddish with 2 oblique brown bands, the last terminal.
Inhabits *Austria.* *Wien. Verz.* 318. 23.

- **Ilicana.* Upper-wings brown-ash with brown dots and a single black one in the middle.
Inhabits *England* ; large.
Margin of the upper-wings with a streak of brown dots : lower-wings cinereous.

- Rivagana* Upper-wings with 2 cinereous streaks in the middle and a fulvous dot between them.
Inhabits *Austria.* *Wien. Verz.* 130. 17.
Lower-wings brown : body large.

Conspersana Upper-wings snowy with irregular black spots and specks.
 Inhabits *Austria. Wien. Verz.* 130. 14.
Body snowy : *lower-wings* cinereous.

Strigulana Upper-wings cinereous thickly speckled with brown.
 Inhabits *Austria. Wien. Verz.* 130. 15.

Steinkellnerana. Upper-wings cinereous with a flexuous black line on the disk.
 Inhabits *Austria. Wien. Verz.* 130. 16.

Poslicana Wings snowy ; base of the rib, oblique band in the middle and marginal dot behind brown.
 Inhabits *Paris.*
Head and *thorax* snowy : *lower-wings* cinereous.

**Logiana.* Upper-wings grey with irregular black specks : lower-ones whitish.
 Inhabits *Europe. Wien. Verz.* 130. 4.

Govana. Upper-wings snowy, beneath brown.
 Inhabits *Northern Europe.*

Niveana. Upper-wings silvery with 2 oblique raised scaly streaks, the hind-margin dotted with black.
 Inhabits *Sweden.*
Body large white : *Lower-wings* above brown.

Cristana. Upper-wings brown with a white inner-margin and raised tufted dot in the middle.
 Inhabits *Austria. Wien Verz.* 129. 10.
Head and *thorax* whitish : *lower-wings* cinereous.

**Deffontainana.* Wings brown-cinereous with an abbreviated fulvous fillet in the middle, in the middle of which is a raised hairy dot.
 Inhabits *England. In the Collection of Mr. Francillon.*
Body snowy : thinner margin of the *upper-wings* yellowish : *lower-wings* cinereous.

**Profanana* Wings cinereous with a brown tufted dot in the middle.
 Inhabits *England. In the Collection of Mr. Francillon.*
Body cinereous : *upper-wings* with a few minute hairy dots besides the larger one in the middle : *lower-wings* cinereous.

Thunbergiana. Upper-wings cinereous with 4 black tufted dots.
Inhabits *Germany.* *Wien. Verz.* 138. 9.

Punbulana. Upper-wings rough brown with an interrupted dull cinereous fillet in the middle.
Inhabits *Austria.* *Wien. Verz.* 130. 13.
Head and thorax brown: upper-wings with numerous black raised dots; lower-wings dusky.

Asperana. Upper-wings white at the base, the tip brown and rough.
Inhabits *Kiel.* *Lower-wings cinereous.*

Elewana. Upper-wings rough cinereous with a brown spot at the base.
Inhabits *Austria:* *Wien. Verz.* 130. 12.
Head and thorax cinereous: upper-wings rough with scattered raised dots: lower-wings whitish.

Boscana. Wings white with raised brown dots and 3 raised tubercles near the rib.
Inhabits *Paris.* *P. tuberculana.* *Linn. Tr.* 1. tab. 17. fig. 4. 5.
Hend silvery white: thorax varied with silvery and grey, crested before; the 3 tubercles on the upper-wings in a line half white and brown: lower-wings pale brown with a black dot in the middle.

Duplana. Upper-wings pale with 2 approximate black dots at the base.
Inhabits *Kiel.* *Wings beneath cinereous.*

**Squamana.* Upper-wings green with numerous raised dots.
Inhabits *Europe.* *Donovan. v. tab.* 157. fig. 7.
Upper wings with numerous black dots shaded with white: lower-wings brown.

Romanana. Wings greenish with white raised dots and a black lunule in the middle.
Inhabits *Germany.*
Abdomen cinereous with a brown lateral line: lower-wings dark cinereous.

Borana. Wings varied cinereous and brown with irregular black raised dots.
Inhabits *Sweden;* large. *Lower-wings whitish.*

**Stidicana.* Wings brownish with a common white dorsal spot in which is a black dot.

Inhabits

Inhabits *England*. In the Collection of Mr. *Francillon*.
Upper-wings with a few indistinct pale streaks at the tip which
 terminate at the rib in 4 white dots : *lower-wings* brown.

Litterana: Wings rhombic ; upper-pair green with irregular black
 marks

Inhabits *Germany*. *Hybn. Beytr.* 3. *tab.* 2. G.

•*Emargana* Wings falcate emarginate at the rib, brown with reticulate
 dark lines.

Inhabits *England*. *Donovan.* iii. *tab.* 106. *fig.* 1. 5.

Upper-wings with sometimes a dark band.

•*Caudana* Wings falcate emarginate at the rib, grey with a fulvous
 streak.

Inhabits *England*.

•*Scabrana* Upper-wings cut off on the rib behind, rough cinereous
 slightly barred with brown.

Inhabits *England*, on the Oak.

Body and *lower-wings* cinereous.

•*Quercana* Upper-wings rosy with 2 sulphur costal spots.

Inhabits *Europe*. *Donovan* iii. *tab.* 106. *fig.* 3.

Head and *thorax* rosy ; *lower-wings* pale brown.

Grotiana Wings yellowish mixed with fulvous, a broad brown band
 in the middle bifid towards the rib.

Inhabits *Hamburg*.

Body yellowish ; *abdomen* and *lower wings* brown.

Paykulliana Wings whitish with a common black triangular spot at the
 base.

Inhabits *Sweden*. *Tinea ramella.* *Linn. Syst.* 2.

Hind-margin of the *wings* brownish.

•*Ocellana* Wings cinereous with a red patch in the middle in which
 is a whitish dot.

Inhabits *England*. In the museum of Sir *Jos. Banks*.

Body cinereous : hind margin of the *upper-wings* dotted with
 black : *lower-wings* white.

•*Forskab-
 liana.* Upper-wings yellow reticulate with ferruginous with a
 brownish patch in the middle.

Inhabits *Europe*. *Clerk. phal. tab.* 10. *fig.* 2.

Wings beneath fine yellow.

* *Loeflingiana*. Upper-wings yellow reticulate with testaceous, and marked with a double X.

Inhabits *Europe*. *Donovan*. iii. tab. 90.

Lower-wings lead-colour: all beneath brown.

Sulphurana. Wings yellow with 2 indented oblique brown streaks and numerous specks.

Inhabits *North America*.

Body yellow: abdomen white: lower-wings snowy: beneath all white.

Centrana. Wings yellow with a cruciform brown mark in the middle.

Inhabits *Paris*.

Head and thorax yellowish: lower-wings whitish.

* *Fergmaniana*. Upper-wings yellow varied with orange and 4 silvery bands, the third bifid.

Inhabits *Europe*. *Donovan*. v. tab. 157. fig. 1—6.

Dalderfana. Upper-wings brown tipped with gold.

Inhabits *Aleut*; small.

Body and lower-wings and all beneath brown.

* *Yeatiana*. Upper-wings grey with a black spot and 2 central dots.

Inhabits *England*.

Antennae black: body cinereous: upper-wings with 4 or 5 black dots at the hind-margin.

Schumacherana. Upper-wings black with a white band in the middle and specks behind.

Inhabits woods of *Germany*.

Head and thorax black: wings beneath brown with 4 white costal dots.

Alildgaardiana. Upper-wings grey, the tip rusty-brown.

Inhabits woods of *Denmark*.

Upper-wings brown-ferruginous from the middle to the tip, with a cinereous marginal streak.

Mixtana. Wings brownish with a yellow base and marginal dots.

Inhabits *Denmark*.

Body yellowish: lower wings and all beneath brown.

Fenklariana. Upper-wings reticulate with cinereous and brown, at the tip a grey-brown spot with 2 silvery streaks.

Inhabits

Inhabits *Austria*.

Upper-wings with a dark spot in the middle in which are 2 brown rings.

* *Alstroemiana*. Wings whitish ; upper-pair with a lateral rusty-brown spot in the middle.

Inhabits *Europe*. *Clerk. phal. tab. 10. fig. 1.*

Pavonana. Wings grey with 2 central snowy dots and an incumbent tuft of hairs at the base.

Inhabits *Tranquebar*.

Lower-wings white hyaline each side.

Fabriciana. Wings blackish : upper-pair with 2 white dots.

Inhabits *Europe*. *Wien. Verz. 132. 7.*

* *Nitidana*. Wings shining brown with a broad silvery band in the middle in which is a brown streak.

Inhabits *England*. In the Collection of Mr. *Francillon*.

Upper-wings with an obsolete silvery streak or two near the tip : *body* and *lower-wings* brown.

* *Nigricana*. Wings blackish, the rib dotted with yellow, the tip with a black dot.

Inhabits *England*. In the Collection of Mr. *Francillon*.

Body black : *upper-wings* with a silvery-blue streak near the tip : *lower-wings* brown immaculate.

Hilwigiana. Wings blackish, all with a whitish submarginal dot.

Inhabits *Germany*. *Body* black.

* *Mylierana*. Wings varied black and cinereous with silvery specks, a cinereous streak behind and marginal chestnut-brown one.

Inhabits *Sweden*.

Lower-wings brown with an interrupted white streak. Beneath black with a white streak : *abdomen* black, edges of the segments white.

* *Pariana*. Wings brown with 2 black streaks and chestnut-brown hind-margin.

Inhabits *Europe*. *Clerk. phal. tab. 10. fig. 9.*

* *Conwayana*. Wings rusty-brown with silvery dots and a yellowish dorsal spot.

Inhabits *England* : small.

Upper-wings with 2 small yellowish spots dotted with brown at the thicker margin and a large common one in the middle : *lower-wings* blackish.

*Bierkan-
drana.*

Wings varied brown and gold with cinereous streaks, the base with silvery lines, the tip with silvery dots.

Inhabits Sweden. *Thunb. Inf. Suec.* 24. tab. 1.

Antennæ annulate with white and black: *thorax* gold with a lateral silvery line: *abdomen* brown.

*Abbrevia-
na.*

Wings varied ferruginous and cinereous with an abbreviated brown streak behind.

Inhabits Germany; small.

Lower-wings cinereous immaculate.

*Sebestedi-
ana.*

Wings black with a common blueish-silvery spot streaks and specks.

Inhabits Kiel, in Alder plantations.

Antennæ annulate with white and black. *upper-wings* terminating in a white fringe: *lower-wings* black with a white thicker margin.

Koenigana.

Wings fulvous, the tip black with fulvous spots.

Inhabits East India, small. *Wings* beneath dusky.

* *Aurana.*

Wings brown with 2 orange spots.

Inhabits England. *Donovan.* ii. tab. 57. fig. 2.

Body and *lower-wings* brown.

* *Pomana.*

Wings clouded, with a red-gold spot behind.

Inhabits Europe. *Wilks pap.* 5. tab. 1. a. 9.

Larva 16 footed naked rufous with a black head: *pupa* folliculate reddish-brown.

Schulziana

Wings testaceous with silvery bands and dots and a black patch in the middle.

Inhabits Germany, large.

Upper-wings beneath blackish with yellow costal spots: *lower-wings* cinereous.

Lipsiana.

Wings grey-brown with a white dot in the middle in which is a black pupil.

Inhabits Leipzig. *Wien. Verz.* 129, 9:

Lower-wings cinereous.

Rivellana.

Wings brown with 3 cinereous bands, the second bifid at the thinner margin.

Inhabits Sweden. *Wien. Verz.* 131, 22.

Upper-wings with a brown dot at the rib.

- Abietana.* Wings varied with brown and white, the outer-margin dotted with white.
Inhabits *Sweden*, on the Fir, and *France* on the Oak.
- Undana.* Wings brown with 3 cinereous bands, the second bifid at the thicker margin.
Inhabits *Austria*. *Wien. Verz.* 131, 21.
- **Unguicana* Wings cinereous subfasciate, the tip recurved and pointed, the outer margin behind transversely striate with white.
Inhabits *Europe*. *Clerk. phal. tab.* 12. fig. 7.
- Scopoliana.* Wings brown with 2 white dorsal curves.
Inhabits *Austria*. *Wien. Verz.* 129, 11.
Upper-wings with a few whitish marks at the rib.
- Isertana.* Wings greenish-brown with a white dorsal lunule and marginal dots.
Inhabits *Denmark*.
Head white: *thorax* brown varied with cinereous: *lower-wings* brown.
- Dorsana.* Wings brown with a white dorsal curve and silvery streak at the tip.
Inhabits *Germany*. *Wien. Verz.* 127, 14.
Outer-margin of the *upper-wings* spotted with white: *lower-wings* brown, whitish at the tip.
- Strigana.* Wings yellowish with ferruginous and silvery streaks at the tip and a triple black dot.
Inhabits *Germany*. *Wien Verz.* 129, 15, 16.
Upper-wings sometimes brown: *lower-ones* cinereous.
- Luudana.* Wings brown at the base with a semicircular pale line, the tip gilt and streaked at the thicker-margin with silvery and yellow.
Inhabits *Kiel*. *Wien. Verz.* 136, 8.
Hind-margin of the *upper-wings* fringed with white: *lower-wings* brown.
- **Cynobana* *Upper-wings* brown tipped with white.
Inhabits *Europe*. *Merian. Europ. tab.* 28. *Degeer* 1. *tab.* 34.
Wings with a black dot at the end.
Larva 16-footed, tapering each way, ferruginous with a black head: *pupa* folliculate red-brown.

- Mygindana* Upper-wings grey with fulvous streaks behind.
Inhabits *Austria. Wien. Verz.* 131, 28.
Body and lower-wings dull cinereous.
- Tripunctana* Upper-wings brown, the tip white with a brown margin and 3 distinct dots.
Inhabits *Austria. Wien. Verz.* 131, 35.
- Mitterbachiana.* Wings varied with brown and rufous with an abbreviated white dorsal streak.
Inhabits *Austria. Wien. Verz.* 129, 17.
Outer and hind-margin of the wings marked with white.
- Resinana.* Wings brown slightly barred with silvery.
Roef Inf. 1. *phal.* 4. *tab.* 76. *Friech. Inf.* 10. *tab.* 9.
Found within the resin which exudes from the pine.
Larva 16 footed naked yellow with a rufous head: *pupa* folliculate brown.
- Mediana.* Wings brown with 2 yellow spots.
Inhabits *Austria. Wien. Verz.* 128, 14.
Body brown: lower-wings blackish.
- Achatana.* Upper-wings brown, the tip cinereous with 2 ferruginous spots.
Inhabits *Austria. Wien. Verz.* 131, 27.
Rib of the upper-wings dotted with white: lower-wings cinereous.
- Applana.* Wings depressed brown with 3 white central dots.
Inhabits *Kiel. Clerk. phal. tab.* 2. *fig.* 15.
Outer-margin of the upper-wings striate at the tip: lower-wings and all beneath cinereous.
- * *Sparmaniana.* Wings flat pale with 2 black dots on the disk.
Inhabits *England.* In the collection of Mr *Francillon.*
Hind-margin of the upper-wings dotted with black: lower-wings immaculate.
- Beeberana.* Wings depressed cinereous with a common black disk at the base.
Inhabits *Denmark,* on the oak.
Antennae annulate with white and black: *body* cinereous.
- Umbellana.* Wings flat striate grey with approximate black emarginate spots on the disk
Inhabits *France,* on various umbellate plants.
Hind-margin of the upper-wings dotted with black.

Larva green with a black head and collar and 2 dotted streaks on the segments.

Heracleana. Wings depressed grey; upper-pair with approximate black lines on the disk.

On umbellate plants. *Schæff. Icon. tab. 2. fig. 3. 4.*

Larva green with black dots and 3 darker dorsal lines.

Ratana. Wings depressed brown with numerous white transverse lines: thorax with 2 erect tufts on the back.

Inhabits *France*, on the Rue.

Upper wings with 2 small raised approximate black dots in the middle besides the lines.

Depressana. Wings depressed brown: head and thorax snowy.

Inhabits woods of *Sweden*: small, depressed.

Tinea.

Boletella. Wings oblong, black with a whitish back and hind-margin.

Inhabits *France* and *Sweden*, in fungi of the Beech.

Antennæ reversed horn shaped: head and thorax cinereous.

Wings whitish dotted with black, head brown.

Cereila. Wings grey, emarginate behind, the back caniculate brown.

Reum Inf. 3. tab. 19 fig. 14, 15.

In bee hives, where it prays upon the wax.

Thorax cinereous with an oblong brown spot.

Gigantella. Upper wings yellowish-grey; lower-ones white immaculate.

Inhabits *Austria*. *Wes. Verz. 135, 27.*

Head and thorax yellowish: abdomen cinereous.

Magnella. Wings oblong snowy immaculate.

Inhabits *Italy*, large.

Body mostly: lower wings cinereous.

Colonella. Wings oblong cinereous with 2 black dots before a curved undulate obsolete streak.

Inhabits *Europe*. *Donovan. viii. tab. 263. fig. 2.*

Sciociella. Wings oblong cinereous, whitish before, behind pale with a black waved streak.

Clerk. phal. tab. 3 fig. 11. Wien. Verz. 319, 62.

Found in the combs of the *Apis lapidaria*.

Grandella. Wings oblong cinereous, behind darker with a white dot and cinereous waved streak.

Inhabits *East India*.

Centuriella. Wings oblong cinereous with faint brown bands and a yellowish spot.

Inhabits *Austria.* *Wien Verz.* 319, 63.

Lower-wings cinereous edged with brown.

* *Pannerella.* Wings oblong brown with a blackish line down the middle and a few dots at the tip.

Inhabits *England.* *Donovan.* iii. tab. 106. fig. 4.

Lower-wings blueish-hyaline with a deep fringe.

Spissicella. Wings oblong grey: 2 lower joints of the antennæ thicker. Inhabits *Kiel*.

Thorax cinereous crested behind: *wings* paler in the middle with a few black dots.

Grisella. Wings oblong dull cinereous immaculate: head fulvous.

Inhabits *Paris.* *Body* entirely cinereous.

* *Pruniella.* Wings purplish-brown with a white line in the middle in which is a blackish spot.

Inhabits *England.* *Donovan.* ii. tab. 58. fig. 1.

Body and *lower-wings* dark grey.

* *Gelatella.* Wings brown-ash with a white fillet on the upper-pair.

Inhabits *Europe.* *Clerk. phal. tab.* 8. fig. 3.

Female with the mere rudiments of wings.

* *Euonymella.* Upper-wings silvery-white with 50 black dots.

Inhabits *Europe.* *Donovan.* i. tab. 9. *Albin. tab.* 60. fig. A, C.

Merian. Eur. 2. tab. 2. *Wilks. tab.* 1. a. c.

Larva gregarious naked yellow dotted with black: *pupa* folliculate reddish-brown.

* *Padella.* Upper-wings lead-colour with 20 black dots.

Inhabits *Europe.* *Harris.* 7. tab. 3. fig. k, m.

Larva gregarious naked grey, the segments with a black dot each side: *pupa* folliculate yellowish.

Plumbella. Upper-wings lead-colour with a brown tip spot in the middle and numerous dots.

Inhabits *Austria.* *Wien. Verz.* 139, 34.

- * *Lamella*. Upper-wings yellow-brown with a dark triangular spot terminated by a detached small dot.
Inhabits *England*. *Donovan*. ii. tab. 57. fig. 1.
Lower-wings blueish with a deep fringe.
- * *Sequella*. Upper-wings white with a common sinuate flexuous black line and lateral spots.
Inhabits *Europe*. *Clerk phal.* tab. 10. fig. 14.
- Nitidella*. Upper-wings silvery with a brown line at the base and common dorsal curve..
Inhabits *Austria*. *Wien. Verz.* 137, 58.
- * *Semiantagella*. Upper-wings silvery with gold bands crossing each other in the middle.
Inhabits *England*. *Donovan*. ii. tab. 57. fig. 2, 3.
Lower-wings grey-brown with a deep fringe.
- Cornella*. Wings snowy with a brown-gold band and numerous dots.
Inhabits *Saxony*. *Wien. Verz.* 141, 66.
Antennæ varied with white and black: *lower-wings* brown.
- * *Irrorella*. Wings yellow; upper-pair with 3 rows of black dots: thorax fulvous before and behind.
On various Lichens. *Clerk phal.* tab. 4. fig. 5.
Larva hairy black with yellow dorsal rhombic spots and oblong lateral ones.
- Rojcidella*. Wings yellow, upper-pair with black dots, lower-ones with black spots: thorax black.
Inhabits *Austria*. *Wien. Verz.* 68, 7.
Body black, tail fulvous.
- Pustulella*. Upper-wings black with numerous ferruginous and yellow dots.
Inhabits—*Cramer*. 31. tab. 372. L.
Lower-wings palish with a black border.
- Perlella*. Wings cinereous with a black dot in the middle and abbreviated streak of them behind.
Inhabits *Austria*.
- Linotella*. Wings whitish with brown lines, the tip with 2 brown streaks.
Inhabits *Italy*. *Tinea rorella*. *Linn. Syst. Nat.* 2.
Hind-margin of the *wings* with a silver fringe.

Lutarella. Wings above yellow immaculate; upper-pair with a brown border beneath.

Inhabits *Europe*. Clerk. *phal. tab. 4. fig. 9.*

Larva hairy blueish with black dots and abbreviated yellow and white bands.

Arbustella. Upper-wings yellowish polished: body and lower-wings silvery; tail bearded white.

Inhabits *Germany*. Head and thorax silvery.

* *Mesomella* Upper-wings pale with a yellow margin and 2 brown dots. Inhabits *Europe*. Clerk, *phal. tab. 4. fig. 14.*

* *Guttella.* Wings black with numerous white dots on the upper-pair: head ferruginous.

Inhabits *Europe*. Hybn. *Beytr. 1. tab. 3. Q.*

Antennæ pectinate: *thorax* black with a ferruginous dot each side: dots on the wings 1, 2, 3, 3. and numerous small ones at the tip: *lower-wings* and *abdomen* black.

Virella. Wings pale with a broad green fillet.

Inhabits *East India*.

Body pale yellowish: *lower-wings* white, the hind-margin a little brownish.

*Oxycan-
thella.* Wings clouded brown with a whitish streak in the middle and hind-margin.

Inhabits *Europe*, on the *Oxycantha*.

Vinetella. Upper-wings brown with 3 silvery lines, the middle-one longer and interrupted.

Inhabits *Dresden*

Feelers as long as the thorax; *lower-wings* black, very thin and deeply fringed.

Argyrella. Wings striate silvery with a brown gloss.

Inhabits *Austria*. *Wien Verz. 135, 28*

Head and thorax silvery: *lower-wings* cinereous.

* *Pinetella.* Upper-wings yellowish-brown with 2 clear white spots separated by a blackish band

Inhabits *Europe*. *Donovan. vin. tab. 263, fig. 1.*

Lower wings brown with a pale margin.

* *Pratella.* Upper wings cinereous with a clear white line branched behind, the tip with oblique striæ.

Inhabits *Europe*. Clerk. *phal. 3. 14.*

* *Fasciella.*

- **Pascuell.* Wings cinereous with a clear white line, hind-margin dotted with black.
Inhabits *Europe.* *Hybn. Beytr. 2. tab. 4. U.*
- **Culmella.* Wings cinereous with a single abbreviated clear white line.
Inhabits *Europe.* *Reaum. Inf. 1. tab. 17. fig. 13. 14.*
- Margari-*
tella. Wings brown with a single clear-white line.
Inhabits *Austria.* *Hybn. Beytr. 2. tab. 4. Z.*
- Conchella.* Upper-wings brown with a single interrupted clear white line.
Inhabits *Austria.* *Wien. Verz. 134, 6.*
- Falsella.* Upper-wings variegated with brown and white; lower-ones cinereous.
Inhabits *Saxony.* *Wien. Verz. 134, 16.*
Upper-wings with short faint brown and white streaks.
- **Argentella.* Wings and body silvery: antennæ annulate with brown.
Inhabits *Europe.* *Wien. Verz. 134. 11.*
Larva gregarious brown: *pupa* folliculate red-brown.
- Nivella.* Wings and body shining silvery: antennæ the same colour
Inhabits *East India.*
- Trißella.* Upper-wings grey-brown immaculate.
Inhabits *Austria.* *Wien. Verz. 134, 17.*
Body grey brown: *lower-wings* cinereous.
- **Carnella.* Upper-wings rose-colour with yellowish anterior and posterior margins.
Inhabits *Europe.* *Douglan. v. tab. 153 fig. 5.*
- Daphnella.* Upper-wings cinereous, the rib unequally purplish, in the middle 2 subocellar black dots.
Inhabits *Austria;* *Wien. Verz. 136. 7.*
Head and thorax whitish: hind margin of the *upper-wings* dotted with black: *lower-wings* cinereous.
- Hortella.* Upper-wings grey with a testaceous streak in the middle, the rib unequally testaceous.
Inhabits *Lapland.*

Upper-wings grey speckled with brown, the hind-margin with silvery fringe.

Strigella *Upper-wings* yellowish-ash with a marginal silvery streak.
Inhabits *Germany*. *Wien. Verz.* 124. 8.
Lower-wings grey-brown with a marginal silvery streak.

Barbella *Wings* cinereous striate with brown ; feelers projecting, as long as the antennæ.
Inhabits *Italy*.
Antennæ pectinate. *lower-wings* brown.

Hattorfella *Upper-wings* grey the thicker margin white : feelers projecting thickened.
Inhabits *Germany*, *Wien Verz.* 319. 65.
Upper-wings with 2 minute dots in the middle : *lower-wings* cinereous.

Mucronella *Wings* lanceolate cinereous with a brown fillet.
Inhabits *Austria*. *Wien. Verz.* 136. 45.
Feelers projecting : *lower-wings* whitish.

Tesserella *Wings* tessellate with brown and white ; head pale testaceous.
Inhabits *Saxony*. *Lower wings* brown.

Nigrella. *Wings* brown ; body black ; abdomen rufous.
Inhabits *Denmark*.
Abdomen rufous at the sides and tip.

Maurella. *Upper-wings* deep black ; body blackish.
Inhabits *Austria*. *Wien. Verz.* 142. 11.

Quadrella *Wings* black with 4 white dots : body black ; head and tail white.
Inhabits *Italy*.
Lower-wings dull cinereous : legs black annulate with white.

Atrella. *Wings* and body black bronzed ; tip of the lower-ones and tail testaceous.
Inhabits *Italy*. *Legs* black.

Viduella *Upper-wings* black with 3 snowy bands, the middle one interrupted : head and thorax snowy.
Inhabits *Lapland*.
Abdomen black annulate with white.

- Lugubrella* Upper-wings black with 2 white bands, the first abbreviated: head white.
Inhabits *Lapland*.
Thorax black: posterior band lunate.
- Variella*. Upper-wings black with a white line at the base 2 dots and 2 abbreviated bands.
Inhabits *Italy*.
Antennæ black: head and thorax snowy: lower-wings and all beneath dusky.
- Anella* Upper-wings grey with a faint ferruginous fillet and 2 central subocellar dots.
Inhabits *Austria*. *Wien. Verz.* 135. 30.
Abdomen ferruginous: lower-wings cinereous.
- Fagella*. Upper-wings grey with brown streaks and specks.
Inhabits *Austria*. *Wien. Verz.* 134. 34.
Male. Wings grey with a brown streak before and behind and 2 dots in the middle. Female. upper-wings lanceolate darker speckled with brown.
- Cryptella* Wings grey with a divided white line and waved silvery streak behind.
Inhabits *East India*.
Lower-wings and all beneath snowy immaculate.
- **Gramella* Wings cinereous with 2 angular brown streaks and marginal silvery one
Inhabits *England*; small.
- Auricella* Snowy; wings with testaceous streaks: first joint of the antennæ with a projecting tuft of hairs.
Inhabits *Paris*, Lower-wings cinereous.
- Circulella* Snowy; wings deflected black with a common dorsal white fillet dilated behind at the outer margin.
Inhabits *Kiel*. Antennæ brown: legs white.
- **Salicella* Wings blueish-grey, white in the middle, with black dots on the hind margin: thorax crested
Inhabits *Europe*. *Wilks. pap.* 5. tab. 1. a. 10.
Larva naked 16-footed, brown dotted with white: pupa black before reddish behind.
- Dorfella*. Wings snowy, brown in the middle.
Inhabits *Cayenne*. Body snowy.

- **Pufiella* Wings blueish-grey with a black dot, fillet in the middle and contiguous rhombic spots
Inhabits *Europe. Sulz Inf. tab. 23. fig. 9.*
Larva cinereous with black lines: *pupa* folliculate reddish-brown.
- **Foenella.* Wings brown with clear white spots, the anterior one falcate, the posterior kidney-shaped
Inhabits *Europe. Clerk. phal. tab. 2. fig. 13.*
- **Cratægel-la.* Upper wings whitish with 2 blackish bands and a third which is terminal.
Inhabits *Europe. Wien. Verz. 142. 7.*
- Palumbella* Upper-wings cinereous with 2 ferruginous bands edged with black.
Inhabits *Austria. Wien. Verz. 148. 15.*
Body grey: first band on the wings with 2 black dots in the middle and streak behind, second edged with a waved streak behind: *lower-wings* cinereous.
- Abietella* Upper-wings brownish with 2 pale streaks and lunule in the middle.
Inhabits *Austria. Wien. Verz. 138. 16.*
Margin of the *upper-wings* dotted with black: *lower-wings* cinereous.
- Tetricella* Wings shining grey brown immaculate.
Inhabits *Austria. Wien, Verz. 138. 22.*
- **Tapexella* Wings black, white behind: head snowy.
Reaum Inf. 3- tab. 20. fig. 12.
2. Wings and head brown. *Geoffr Inf. 2. 188, 14.*
Found in skins, where it gnaws cylindrical cavities and secretes itself.
- Pulchella.* Wings brown at the base, the tip a little gilt with brown streaks, in the middle and at the tip a black dot: head snowy.
Inhabits *Denmark, in Houses.*
Antennæ black: head snowy: *lower-wings* brown with a pale outer margin.
- Insectella* Wings cinereous at the base and tip with brown.
In various Insects brought from *Africa.*
Lower-wings brown with a few faint reddish-brown spots.
- Pellionella* Wings grey with a black dot in the middle; head grey.
In wollen garments, *Reaum. 3. tab. 6. fig. 12—16.*

- **Vestianella* Wings cinereous with a white rib, the tips ascending and feathered.

In cloths and wollen furniture, to which it is very destructive.

Wien. Verz. 139. 40.

- **Sarcutella* Wings cinereous: thorax with a white dot each side.

Reun. 3. *tab.* 6. *fig.* 9. 10. *Roes.* 1. *phal.* 4. *tab.* 17.

In skins cloths and wollen furniture.

- **Stigmatella* Wings nearly linear ferruginous with a white costal spot.

Inhabits England; small compressed linear.

Antennæ whitish: *legs* ferruginous tip with white.

- Limbella*. Wings fringed whitish with a brown border and spots.

Inhabits Germany; small.

Head and thorax grey: *lower-wings* brown.

- Flavifrontella*. Upper-wings cinereous immaculate: head fulvous.

In insects and feathers. *Wien Verz.* 143, 22.

- **Mellonella* Wings grey, the hind part purplish with a white streak: scutell black tipped with white.

Donovan viii. *tab.* 283. *Roes.* 3. *tab.* 41.

Found in bee-hives where it insinuates itself among the cells and subsists on the honey.

Larva naked 16 footed reddish-grey with a red head: *pupa* folliculate reddish-brown.

- Cucullatella* Wings silvery with a brown crescent on the back.

Inhabits Europe. *Roes Inf.* 1. *phal.* 4. *tab.* 11

Larva hairy 14 footed brown, the back spotted with white: *pupa* folliculate obtuse brown.

- Arcella*. Wings snowy with a common brown curve and 2 marginal spots.

Inhabits Germany: small.

Head and thorax snowy: *upper-wings* with a few faint dots towards the tip: *lower-wings* and all beneath cinereous.

- **Curtisella* Upper-wings and thorax white spotted and speckled with brown; lower-wings and body pale brown.

Inhabits England. *Donovan.* ii. *tab.* 65. *fig.* 4.

- **Maculella*. Snowy; wings with a large black marginal spot and tip.

Inhabits Paris.

Head and thorax snowy; *antennæ* black: hind-margin of the *upper-wings* interrupted by black: *lower-wings* brownish.

- *Arbutella* Wings rufous with silvery streaks, the middle ones bifid.
Inhabits *Northern Europe*, on the *Arbutus*.
- *Marginella* Upper-wings rufous with broad white margins.
Inhabits *England*. *Donovan*. ii. tab. 58. fig. 2.
Body and lower-wings whitish.
- *Tessella*. Wings black with 2 very remote tessellate bands.
Inhabits *Europe*. The bands white speckled with brown.
- *Clematella* Upper-wings snowy with a black line at the base band in the middle and dot at the tip.
Inhabits *England*, on the *Clematis*.
Head brown : thorax snowy : lower-wings cinereous.
- *Bicosfella* Wings cinereous with a brown fillet : feelers projecting ; antennæ hairy.
Inhabits *Europe*. *Clerk phal. tab. 3. fig. 15*.
- *Parenthesella*. Upper-wings testaceous with a longitudinal white line.
Inhabits *Europe*. *Wien. Verz. 157, 52*.
- *Radiatella* Upper-wings yellow with dark purple stripes and a white one near the thinner margin.
Inhabits *England*. *Donovan*. iii tab. 77. fig. 3. 4.
Abdomen and lower-wings brown.
- Ustalella* Wings linear chestnut-brown, and appearing as if parched at the tip.
Inhabits *Italy*.
Antennæ as long as the body, annulate with white and black : body reddish brown : lower-wings and all beneath dusky.
- *Elongella* Wings linear testaceous ; antennæ moderate.
Inhabits *Europe*. *Wien. Verz. 136. 51*.
- Hemedactylella*. Wings linear pale testaceous with rufous specks.
Inhabits *Austria*. *Wien. Verz. 144, 41*.
Body and lower-wings brown.
- Oleella*. Wings fringed cinereous glossy immaculate.
In the kernels of the olive, which it eats into, and occasions the fruit to fall off before it is ripe.
- Cylindrella* Upper-wings linear brown with 3 yellow spots.
Inhabits *Hamburg*.

Head yellowish : antennæ whitish : thorax brown, yellowish in the middle lower-wings yellow.

Strigella Wings blackish, the tip deep black with an oblique white streak.

Inhabits *Italy*. Body black, front whitish.

Sinuella Wings yellowish with 2 waved brown streaks.

Inhabits *Italy*. Body yellowish.

Punctella Upper-wings linear grey with 4 brown dots.

Inhabits *Europe*. *Wien. Verz.* 144, 40.

Undella Wings grey-brown with a waved white line in the middle and band behind.

Inhabits *Germany*.

**Cinella* Wings black ; upper-pair with a silvery streak.

Inhabits *Europe*. *Wien. Verz.* 319, 97.

Funerella Wings black, the thinner-margin white at the base with 2 black dots.

Inhabits *Austria*.

Head with a black dot : thorax white with 3 black dots : lower-wings black, white at the base.

**Leucatella* Wings blackish with 2 white bands, the posterior one fainter ; head white.

Inhabits *Europe*. *Hybn. Beytr.* 3. tab. 1. B.

Bifasciella Wings shining brown with 2 white bands, the hinder interrupted ; head rufous.

Inhabits *Denmark*. Lower-wings cinereous.

**Strobilella* Wings waved with brown and silvery ; lower-ones brown edged with white

On the strobiles of the fir. *Clerk. phal. tab.* 12, fig. 10.

Striatella Wings grey-brown : upper-pair with white lines : lower-ones fringed immaculate.

Inhabits *Austria*. *Wien. Verz.* 135, 26.

Pectinella Wings grey with a whiter dorsal curve and dot.

Inhabits *Sweden*. Female darker.

2-*punctella* Wings grey-brown with a marginal white dot.

Inhabits *Hamburg* ; small.

Lower-wings and all beneath cinereous.

- 4-punctella* Wings brown with 2 whitish dots.
Inhabits *Germany*. *Wien. Verz.* 140. 60.
- 10-guttella* Wings glossy-black with 5 snowy dots, 2 of them common:
head fulvous
Inhabits *Paris*; small.
Thorax black: *lower-wings* brown: *legs* white.
- 8-punctella*. Wings shining-black with 4 snowy dots.
Inhabits *Saxony*.
Head and *thorax* whitish: *lower-wings* black.
- *Dodecella* Grey dotted with black; wings with pale bands and 3 pair
of brown dots
In the shoots of the pine. *Degeer.* 1. *tab.* 22. *fig.* 22. 23.
Larva 16 footed smooth ferruginous: *papa* folliculate conic ferruginous.
- *Viridella* Wings greenish with white dots and 2 interrupted chest-
nut-bands.
Inhabits *England* In the Collection of Mr. *Francillon*.
Body black: head ferruginous.
- Antennella* Wings glossy-black immaculate; antennæ yellow.
Inhabits *Italy*; small.
- *Combrella* Wings brown thickly speckled with whitish.
Inhabits *Europe*, on the Pine. *Wien. Verz.* 186, 39.
- Obscurella* Wings obscure brown shining immaculate.
Inhabits *Sweden*; small.
- *Fuscella*. Wings grey-brown with 2 black dorsal dots.
Inhabits *Europe*, in Gardens.
- 3-punctella* Wings cinereous with 3 brown dots on the disk.
Inhabits *Austria*.
Head thorax and *tail* ferruginous: dots on the wings. 2, 1. the
hind-margin dotted with black,
- 6-punctella* Wings cinereous with brown bands and 3 black dots.
Inhabits *Italy*. *Body* black.
Hind-margin fringed and terminate by black dots.
- Lactella*. Wings clear white with a brown hind-margin.
Inhabits shrubs of *South America*.
Body snowy: antennæ annulate with white and black: head
snowy with fulvous down on the nape.

- **Cinereella* Wings grey-brown glossy immaculate.
Inhabits *Europe, Wien Verz.* 138. 25.
- Bræcella* Wings black with a sulphur base and marginal spot.
Inhabits *Europe. Clerk phal. tab* 12. fig. 4.
Antennæ black, white before the tip.
Larva slightly hairy 14-footed, *head and tail* brown : found under the bark of the *Carpinus*.
- Cuspidella.* Upper-wings black with a yellowish dot and 2 lunules.
Inhabits *Austria. Wien. Verz.* 140. 58.
Body black : *lower-wings* fringed black.
- Dimidiella* Upper wings brown with a yellowish-disk in which is a subocellar black dot,
Inhabits *Austria. Wien. Verz.* 141: 73.
Head and thorax yellow : *abdomen* brown.
- **Trigonella* Wings brown with a common white dorsal double triangular spot
Inhabits *Europe, in gardens and hedges.*
- Muscalella* Wings brown with 2 white dorsal spots : head fulvous : antennæ pectinate.
Inhabits *Austria. Wien. Verz.* 143, 28.
- **Rhombot-della.* Wings brown with a black rhombic spot.
Inhabits woods of *Europe.*
- Gemmella* Wings clouded black and silvery ; head white.
In the leaves of the Oak. *Clerk phal. tab.* 10 fig. 10.
- **Capitella* Wings brown with 3 yellowish spots : head ferruginous.
Inhabits *England, Udm. Dissert.* 79. ?
- Rupella.* Wings gold-brown with 4 white marginal spots : head ferruginous.
Inhabits *Austria. Wien Verz.* 320. 45.
- Prælatella* Wings violet with a white streak and 2 opposite dots.
Inhabits *Austria. Wien. Verz.* 320. 46.
Head ferruginous.
- Sulphurella* Brown; head thorax base of the wings and costal spot sulphur.
Inhabits *Germany.*
Wings with a costal sulphur spot at the base surrounded with a blue ring, the tip whitish.

- **Compositella*. Wings brown with a common silvery dorsal spot composed of 4 streaks.
Inhabits *England*; small.
Antennæ black: *front* white: outer-margin of the *wings* with silvery streaks.
- **Minutella*. Wings black with 2 ferruginous spots nearly opposite.
Inhabits *Europe*. *Wien. Verz.* 140, 50.
Head hairy ferruginous.
- Sepulchrella*. Wings flat black*immaculate: body white.
Inhabits *America*, very small.
Head and *thorax* snowy, the *sides* black: *legs* black.
- Olivella*. Wings gold-black with a yellow spot at the base and band in the middle.
Inhabits *Paris*.
Antennæ black, white before the tip: *lower-wings* black, the rib whitish at the base.
- **Petivella*. Wings greyish with a yellow dorsal patch and 3 black dots at the tip.
Inhabits *Europe*. *Clerk, phal. tab.* 12, fig. 11.
- Fulvella*. Wings glossy-black with 2 fulvous spots.
Inhabits *Germany*; small, *body* black.
- **Liferella*. Wings grey-brown with black dots at the tip: *antennæ* moderate, annulate with white.
Inhabits *Europe*. *Wien. Verz.* 139, 30.
- **Alella*. Snowy; upper-wings spotted with black.
Inhabits *England*. In the collection of Mr. *Francillon*.
Lower-wings brown, deeply fringed.
- Knobella*. Wings brown-gold with an abbreviated snowy line and dot at the tip.
Inhabits *Germany*, on the *Thymus serpyllus*.
Body brown: *lower-wings* black, deeply fringed.
- Eysella*. Wings gold with faint silvery bands, angle of the tail with a black spot in which are 3 silvery dots.
Inhabits *Germany*.
Upper-wings with a black spot at the tip: *lower-wings* cinereous immaculate.

- Geoffroyella* Wings yellowish with silvery streaks and 2 marginal sulphur dots: antennæ moderate.
Inhabits *Southern Europe*.
- Fabricella*. Wings gold with silvery spots and dots: lower-ones fulvous.
Inhabits *East India*; large.
Head snowy with a ferruginous collar: *thorax* snowy with a fulvous cross.
- Denisella*. Wings brownish with a white line and band.
Inhabits *Austria*. *Wien. Verz.* 138, 23.
Upper-wings with 2 white lines at the base, broad band in the middle bifid at the thicker margin and oblique short streak towards the tip: *lower-wings* blackish.
- * *Mouffettella*. Wings pointed livid with oblong brown specks: antennæ short, annulate with white.
Inhabits *Europe*. *Wien. Verz.* 140. 51.
- * *Albinella*, Wings brown with a single gold curve turned upwards.
Inhabits *Shrubs of Europe*.
- * *Seppella*. Wings gold with 2 silvery streaks.
Inhabits *England*; very small, black.
Antennæ short: *lower-wings* shining-gold.
- Esperella*. Wings cinereous with 3 abbreviated silvery streaks and 2 lines at the tip edged with brown.
Inhabits *Africa*. In the museum of *Sr. Jof. Banks*.
Antennæ short: *body* grey hairy.
- Goedartella* Wings gold with 2 silvery bands and 3 dots.
On the buds of the Birch. *Clerk. Phal. tab.* 12. *fig.* 14.
- * *Merianella*. Wings black with 3 transverse divaricate silvery bands.
Inhabits *Europe*. *Reaum. luf.* 1. *tab.* 17. *fig.* 12.
- Allionella*. Wings copper-gilt with 2 yellow bands and spot at the tip.
Inhabits *Italy*. *Body* black.
- Wilkella*. Wings black with 4 silvery curved bands, the third straight.
Inhabits *Europe*, on the Elm. *Reaum.* 3. *tab.* 4. *fig.* 8.
- Schieffermyllerella*. Wings gilt with 3 silvery-black streaks, the third bifid at the thicker margin.
Inhabits *Hamburg*.
Head and *thorax* black with a gold margin: *antennæ* and *legs* black annulate with white.

*Bergstræf-
fella.* Wings flat gilt with a black border and numerous silvery dots.

Inhabits *Germany*.

Schulzeella. Wings gilt with 2 opposite marginal lines of silvery dots, the rib black.

Inhabits *South American Islands*; small.

Head and thorax black: abdomen gilt: lower-wings black.

**Lyonetella* Wings yellow with 4 silvery bands, the third bifid above.

Inhabits *Europe*. The last band marginal.

**Bonnetella* Wings white with 2 silvery bands and waved behind.

Inhabits *Europe*, in gardens and hedges.

**Schæff-
rella.* Wings orange with silvery dots and band in the middle, the tip fringed with black.

Inhabits *Europe*. *Donovan. v. tab. 175.*

Body and lower-wings blackish.

**Scopolella.* Wings black with scattered white dots: antennæ annulate with white.

Inhabits *Europe*. *Wien. Verz. 138, 12.*

Stramella. Wings black with 4 silvery dots and 4 yellow marginal spots.

Inhabits *Norway*.

Antennæ black tip with white: lower-wings black.

**Gleichella* Wings flat black with a silvery band in the middle and 2 opposite spots at the tip.

Inhabits *England*. *Wien. Verz. 144, 34.*

Body black with a silvery gloss: lower-wings cinereous.

Cydoniella. Wings gilt with a white line at the base and 4 pair of dots.

Inhabits *Austria*. *Wien Verz. 144, 35.*

*Sparrman-
nella.* Wings glossy-violet with numerous gold dots and a larger-one at the thinner-margin.

Inhabits *Paris*. *Linn Transf. i. 197. tab. 17. fig. 6, 7.*

Lower-wings and all beneath gold-violet.

**Rhediella.* Wings black, the tip fulvous with interrupted silver streaks.

Inhabits *Europe*. *Clerk. Phal. tab. 12. fig. 12.*

Lower-wings black edged with white.

Hermannella.

- Hermannella.* Wings gilt with a silver streak at the base and 3 lines on the disk, the tip brown.
Inhabits *Hamburg*; small. *Lower-wings* brown.
- **Roesella.* Wings black-gilt with 6 silvery convex submarginal dots.
Inhabits *Europe*. *Clerk. phal. tab. 12 fig. 13.*
Larva 14-footed yellow with a testaceous head; *pupa* naked oblong reddish-brown.
- **Leuwenhoekella.* Wings gilt with a silvery streak at the base and 4 opposite dots.
Inhabits *Europe*. *Wien. Verz. 141, 7.*
Antennae black, white before the tip.
- **Myllerella.* Wings gilt with 2 silver streaks at the base and 3 lines near the tip.
Inhabits *Europe*; small.
- **Linneella.* Wings brown-gilt with 4 raised silvery dots.
Inhabits *Europe*. *Clerk. phal. tab. 12. fig. 8.*
Antennae white at the tip.
- **Rayella.* Wings gilt with 7 silvery spots, the second and third united.
Inhabits *Europe*. *Degeer Inf. 1, tab. 31. fig. 11, 12.*
Larva pale, head with a testaceous dot each side; *pupa* oblong with a toothed spine, within a follicle covered on the outside with its excrements.
- **Schreberella.* Wings gilt with 2 silvery bands at the base and 2 spots at the tip.
Inhabits *England*; small, polished.
- Klemanella.* Wings gilt with 4 silver streaks, the 2 hind-ones interrupted, and a terminal black dot.
Inhabits *Hamburg*; small.
- Thimbergella.* Wings gilt with a purple spot at the tip.
Inhabits *France*. *Body* small yellow.
Upper-wings with a purple patch at the base; *lower-wings* gilt immaculate.
- **Harrisella.* Wings silvery-gilt, the tip obtuse parched and subocellate.
Inhabits *Europe*.
- Drusella.* Wings silvery-brown with a gold band behind.
Inhabits *Germany*.

Antennæ as long as the body. black tip with white: the gold band terminated each side by a clear silvery streak.

• *Cramerella.* Wings silvery with oblique marginal brown lines and a black dot at the tip.
Inhabits *England*, very small.

Hortella. Wings shining silvery with 3 yellow bands, the third interrupted, and a black line at the tip.
Inhabits *Paris*. *Body* small snowy.

• *Blancarella.* Wings gilt with a silvery line at the tip and 7 marginal spots.
Inhabits *England*; small.
Antennæ above brown, beneath silvery: *thorax* gold with a silver border: *lower-wings* silvery.

Forsterella. Wings brown-gold with a silvery dorsal curve and marginal lines, at the tip a black spot with a silvery pupil.
Inhabits *Hamburg*; small.

Syringella. Wings gilt with various white streaks, the hind-ones edged with black.
Inhabits *Germany*, on the *Syringa*:
Body small cinereous: *antennæ* as long as the body.

Fibulella. Wings red-gold with a common yellow spot.
Inhabits *Austria*. *Wien. Verz.* 143, 33. minute.

Exiguella. Upper-wings grey varied with brown and cinereous, with a white streak.
Inhabits *Austria*. *Wien. Verz.* 143, 21. minute.

Aurella. Wings gilt, behind black with a silvery band.
Inhabits *Germany*. *Wien. Verz.* 142, 9.
The least of its genus. *Head* white, front ferruginous.

Clerkella. Wings silvery, slightly tailed behind with brown streaks and a black dot.
Inhabits *Northern Europe*; very minute.
Body silvery: *abdomen* brown: *lower-wings* silvery. Beneath brownish.

• *Lichenella* Apterous, smooth, black.
On various Lichens. *Degeer.* 2. tab. 11. fig. 1—3.
Larva 16-footed smooth grey thickened behind, inclosed in a triangular prismatic follicle made of agglutinated sand.

Alucita. Tinea, Gmellin.

- Xylofella.* Wings grey-brown with a common sinuate white dorsal fillet.
Inhabits *Europe.* *Ross. Inf.* 1. *phal.* 4. *tab.* 10.
- Capitella.* Wings black with a white sinuate dorsal fillet and 2 marginal dots.
Inhabits *American Islands.*
Thorax snowy, the sides black: *antennae* black: *lower-wings* brown.
- Ephippella.* Wings pale gold with a snowy dorsal fillet in which is a gold band.
Inhabits *Europe.* *Wien Verz.* 141, 75.
- Dentella.* Wings brown, the tip grooved with a common white 1-toothed fillet.
Inhabits *Europe.* *Wien. Verz.* 136, 50.
Head and *thorax* snowy, ferruginous at the sides.
Larva glabrous green with a purple dorsal line: *papa* yellow, in a fusiform follicle open at each end.
- Sylvella.* Wings yellow-gilt with 2 oblique brown bands.
Inhabits *Germany.*
- Nemorella.* Wings yellowish-green; upper-pair with 2 abbreviated dorsal darker streaks.
Inhabits *Paris.*
Head and *thorax* yellowish-green: *upper-wings* with a few small black dots at the base and tip: *lower-wings* brown.
- Lucella.* Wings yellow immaculate: head and thorax snowy.
Inhabits *Sweden.* *Wien. Verz.* 135, 19.
- Alpella.* Wings yellow with olive spots: head and thorax yellow.
Inhabits *Austria.* *Wien. Verz.* 135, 21.
- Flavella.* Wings brown-gold with an abbreviated yellow fillet and spot.
In old oak wood: *Wien Verz.* 140, 1.
The *larva* remains 3 years before its metamorphosis.
- Vittella.* Wings cinereous with a black dorsal fillet and hind-margin.
Inhabits *Germany.* *Glerk. phal. tab.* 3. *fig.* 10.

Nyctemerella. Upper-wings snowy with a common dorsal indented black band and costal spots.

Inhabits *Austria*. *Wien. Verz.* 130. 38.

Head and thorax white: upper wings with a blackish patch at the base, in the middle a large spot with a white dot, then a transverse and nearly double spot and line at the tip: lower-wings brown.

Macalella. Upper-wings brown-gold with a snowy costal spot at the base.

Inhabits *Saxony*. Body white; lower-wings cinereous.

**Marginella*. Upper-wings pale brown with snowy margins.

Inhabits *England*. *Donovan. ii. tab. 58. fig. 2.*

Head snowy: antennæ brown: lower-wings whitish.

Echiella. Wings brown with a common indented white band: thorax^x snowy with 2 black dots.

Inhabits *Germany*. *Hym. Beytr. 4. tab. 1. B.*

Abdomen yellow: upper-wings with a streak of black dots at the tip: lower-wings white.

Larva black with a fulvous dorsal line dotted with black, a fulvous one on the sides, all edged with white.

**Granella*. Wings varied with white and black: head snowy.

Reaum. Inf. 3. tab. 20. fig. 14. 16. Baker. Micr. 1. 13 f. 13.

Found in corn-lofts, where it devours the grain and causes it to cling together; in winter crawls up the walls.

Larva 16-footed naked white with a reddish head: pupa folliculate chestnut-brown.

Betulineella. Wings whitish, the tip varied with brown.

Inhabits *Sweden*, on the *Boletus betulinus*.

**Nivella*. Wings snowy with a black band between 2 marginal spots: head white.

Inhabits *England*. Lower-wings[†] cinereous.

Lapella. Wings pale with a black dot, the tip ascending.

Clerk. Phal. tab. 11. fig. 5. Wien. Verz. 142. 12.

In the heads of the *Burdock*, among the seeds.

Perficella. Upper-wings emarginate sulphur with abbreviated darker streaks.

Inhabits *Austria*. *Wien. Verz. 319. 67.*

Head and thorax yellow: abdomen cinereous: lower-wings cinereous fringed with white.

- Variella.* Upper-wings black spotted with yellow.
Inhabits *Saxony*.
Body and lower-wings black.
- * *Asperella.* Upper-wings emarginate at the tip, whitish with 2 common blackish spots.
Inhabits *Europe*. *Wien. Verz.* 136. 46.
- Dorfella.* Upper-wings cinereous speckled with brown, a common whitish patch in the middle with 2 black dots.
Inhabits *Saxony*. Lower-wings cinereous.
- * *Cosfella.* Snowy; wings reddish-gold with a white costal spot at the base dotted with brown.
Inhabits *England*.
Upper-wings with a white mark at the angle of the tail: lower-wings cinereous immaculate.
- Colutella.* Wings yellow, the outer and inner margins snowy.
Reaum. Inf. 3. tab. 11. fig. 1—4.
Inhabits *France*, on the *Colutea arborefcens*; forms an incurved follicle of the bark.
Head and thorax snowy: antennae black annulate with white: lower-wings black deeply fringed.
- * *Barbarella.* Snowy; wings black with a snowy outer-margin.
Inhabits *Barbary*. *Alucita lacteella*, *Fabric. n.* 25.
Abdomen and lower wings black: legs white.
- Mediella.* Wings testaceous with a large snowy costal spot.
Inhabits Woods of *Germany*; small.
Head yellow: lower-wings cinereous.
- * *Scabrella.* Wings grey-brown with black raised rough dots.
Inhabits *Europe*. *Wien. Verz.* 319. 68:
Upper-wings emarginate at the tip.
- * *Aristella.* Whitish; wings with a silvery line.
Inhabits *Europe*. Body round linear.
- Caudella.* Wings slightly tailed, testaceous with a brown line behind.
Inhabits *Southern Europe*.
- Enzenbergerella.* Wings emarginate brown with a silvery fillet in the middle.
Inhabits *Austria*. Lower-wings cinereous.
In the fillet are a few brown lines.

- **Sawam-merdam-mella*. Wings pale immaculate : antennæ very long.
Inhabits *Europe*. *Clerk. phal. tab. 12. fig. 1.*
- Panzerella*. Wings pale minutely reticulate with brown : head fulvous ; antennæ white and very long.
Inhabits *Italy*. *Lower-wings* cinereous.
- Pilella*. Wings brownish immaculate ; antennæ very long.
Inhabits *Austria*. *Wien. Verz. 142. 6.*
Antennæ whitish, yellowish at the base.
- **Robertella*. Wings brown, angle of the tail white ; antennæ very long.
Inhabits *Europe* ; small.
- **Frischella*. Wings brown-gold ; antennæ moderate tipped with white.
Inhabits *Europe*. *Wien. Verz. 319. 82.*
- Erxlebella*. Upper-wings brown-gold ; lower-ones black : head fulvous : antennæ moderate.
Inhabits *Gottingen*. *Antennæ* palish.
- **Calthella*. Black ; upper-wings gold head ferruginous.
On the flowers of the *Caltha palustris*.
- Paykullella*. Wings reddish-coppery, the base band in the middle and spot at the tip yellow-gold.
Inhabits *Italy* ; minute.
Antennæ short black : head fulvous : *lower-wings* brown.
- Promulella*. Upper-wings brown-gold ; lower-ones yellow edged with black ; antennæ moderate.
Inhabits *Austria*. *Wien. Verz. 142, 17.*
- **Degeerella*. Wings black-gold striate with yellow, in the middle a yellow band ; lower-wings brown : antennæ very long.
Inhabits *Europe*. *Donovan. viii. tab. 267. fig. 1, 2.*
The yellow lines on the *upper-wings* are sometimes wanting.
- **Podella*. Wings black-gold striate with yellow, in the middle a pale band ; lower-ones purple ; antennæ very long.
Inhabits *Europe*. *Donovan. viii. tab. 267. fig. 3, 4.*
- **Sulzella*. Wings black-gold with a gold band : antennæ very long.

Inhabits *Europe.* *Wien. Verz.* 123, 24.
Probably the same or a variety of the last.

- Vindella.* Wings green-gold ; body black : antennæ long white.
Inhabits *Austria.* *Wien. Verz.* 142. 4.
- **Reaume-rella.* Wings black, bronzed outwardly ; antennæ very long.
Inhabits *Europe.* *Wien. Verz.* 143. 22.
Antennæ white, black at the base.
- Cuprella.* Wings shining red-copper : antennæ very long.
Inhabits *Austria.* *Wien. Verz.* 330. 44.
- **Fasciella.* Wings gilt with a brown band : antennæ tipped with white.
Inhabits *England.* *Wien. Verz.* 142. 20.
- **Sulphurella.* Upper-wings gilt with 2 opposite sulphur spots; lower-ones yellow.
Inhabits *England.*
Antennæ moderate black : *thorax* brown.
- Formosella.* Upper-wings ferruginous-yellow with 2 oblique abbreviated white streaks, the hinder one larger.
Inhabits *Austria.* *Wien. Verz.* 140, 47.
Antennæ annulate with white : *upper-wings* varied with yellow and ferruginous : *lower-wings* brown.
- Dentella.* Wings dull cinereous with an indented brown fillet in the middle.
Inhabits *American Island.*
Body small cinereous : legs white.
- Parvella.* Wings dull cinereous with 2 brown costal spots.
Inhabits *American Islands.* Wings incumbent.
- Minutella.* Wings whitish with 3 brown bands.
Inhabits *American Islands* : small.
- Festicella.* Upper-wings whitish with 2 brown spots, the tip yellow.
Inhabits *Austria.* *Wien. Verz.* 319, 80. Small:
Head snowy : *lower-wings* brown.
- **Oppositella.* Wings brown with 2 yellow opposite spots ; lower-ones brown.
Inhabits *England.* Wings incumbent.

Pterophorus. Alucita of Gmelin.

- **Monodactyla.* Wings expanded linear undivided.
Inhabits *Europe.* *Reaum, Inf.* 1. tab. 20. fig. 12—16.

Ochrodactyla. Wings expanded linear undivided ; upper-pair grey, lower-ones black.

Inhabits *Austria*. *Wien. Verz.* 145. 1.

Abdomen reddish at the base : *wings* immaculate.

**Didactyla* Wings cleft, red-brown with white streaks, upper-pair bifid.

Inhabits *Europe*. *Merian. Eur. tab.* 22. *Schæff. Ic.* 1. 93. f. 7.

Larva 16 tooted fasciculate green : *pupa* elongated with 2 dorsal lines of 4-spined tubercles.

Calodactyla Wings cleft brown ; upper-pair subfalcate with fulvous spots ; lower-ones 3-parted.

Inhabits *Austria*. *Wien Verz.* 146. 4.

Upper-wings grey-brown, the tip darker with a large fulvous spot, the inner margin indented : *lower-wings* black : *legs* annulate with white.

Leucodactyla. Wings cleft; upper-pair bifid, cinereous spotted with white: lower-ones trifid : legs white.

Inhabits pastures of *South America*.

Body brown spotted with white : *lower-wings* brown.

Tridactyla Wings cleft ; upper-pair bifid white ; lower-ones 3-parted brown.

Inhabits *Europe*. *Atl. Soc. Nat. Hist. Berol.* 3. t. 1. fig. 8.

Rhododactyla. Wings cleft yellowish with white streaks ; upper-pair bifid, lower-ones trifid.

Inhabits *Saxony*, *Wien. Verz.* 146. 5.

Two anterior rays of the *lower-wings* yellowish, the third white with a ferruginous spot before the tip : *body* ferruginous : sides of the *thorax* yellowish.

**Tessardactyla.* Wings expanded cleft clouded with cinereous ; lower-ones clouded with brown.

Inhabits *Europe*. *Wien. Verz.* 146. 7. ?

**Pierodactyla.* Wings extended cleft, testaceous with a brown dot.

Inhabits *Europe*. *Hybn. Beytr.* 1. tab. 4. U.

Larva slightly hairy blue with a purple dorsal line.

Albodactyla Wings snowy ; upper-pair cleft spotted with brown ; lower-ones 3-parted immaculate.

Inhabits *France* ; small.

Migadactyla. Wings cleft whitish spotted with brown ; upper-pair cleft, lower-ones 3-parted brown.

Inhabits *Austria.* *Wien. Verz.* 146. 8.

Legs white spotted with brown.

**Pentactyla.* Body and wings snowy ; upper-pair bifid, lower-ones 3-parted.

Inhabits *Europe.* *Donovan. iv. tab.* 110. *Ammir. tab.* 23.

Larva 16-footed hairy green with black dots and a white dorsal line : *pupa* hairy green dotted with black.

**Hexadactyla.* Wings cleft cinereous spotted with brown, all of them 6-parted.

Donovan iv. tab. 136. *Harris. Inf. tab.* 2. *fig.* 7.

Inhabits *Europe*, on the *Lonicera Xylosteum* or Honey-suckle, and is a most elegant and beautiful insect. It often flies in at our windows in a still evening.

ORDER IV. NEUROPTERA.

Wings 4, reticulate with veins: tail unarmed.

74. **LIBELLULA.** *Mouth* armed with jaws, more than 2 in number; lip trifid: *antennae* very thin, filiform, and shorter than the thorax: *wings* expanded: *tail* (of the male) furnished with a forked process. *Dragon-fly.*

This is an extremely ravenous tribe and are generally seek hovering over stagnant waters: the *larvae* are 6-footed, active, inhabitants of the water, furnished with an articulate forcipated mouth; and prey with the most rapacious forceity upon aquatic insects and the larvæ of others: the *pupæ* resembles the larva but has the rudiments of wings.

A. *Wings expanded when at rest.*

a. *Dorsal division of the lip very minute.*

- **4-macula-1a.* Lower-wings at the base and all in the middle on the fore-part with a blackish spot: abdomen depressed downy. Inhabits *Europe.* *Reaum. Inj. 6. tab. 35. fig. 1. 2.*

- **Depressa* All the wings blackish at the base: abdomen depressed, yellowish at the sides.

Inhabits *Europe.* *Ewards tab. 333.*

Male, Abdomen blue-grey with yellow sides.

Donovan iii tab. 81.

Female Abdomen reddish brown with yellow marks.

Donovan. i. tab. 24.

Larva grey-brown. *Donovan. ii. tab. 44.*

- Trimaculata.* All the wings hyaline with a ferruginous spot at the base and band in the middle.

Inhabits *Carolina.* *Degeer. Inf. 3. tab. 26. fig. 2.*

- Bifasciata.* Wings hyaline with a brown spot at the base and 2 bands

Inhabits *America.* *Drury. Inf. 1. tab. 48. fig. 5.*

Thorax villous-brown with 2 yellow lines under the wings : *abdomen* depressed brown, the sides yellowish.

4-punctata Wings white ; lower-ones black at the base with a yellow line ; all with a black dot : abdomen cylindrical.

Inhabits *America*.

Thorax downy greenish : *front* vesicular green : *abdomen* greenish at the base and blackish at the tip : all the *wings* with a black dot in the middle at the rib and a common oblong stigma at the tip.

• *Flavescula*. Wings pale yellow at the base.

Inhabits *Europe*. *Schaeff. Inf. tab. 4. fig. 1.*

Wings sometimes without the yellow spot.

Lineata Wings white with a yellowish base and black band and tip ; abdomen yellow with a lateral black line.

Inhabits *India*.

Head and *thorax* yellow : *abdomen* compressed.

Stigmatica. Yellowish ; wings with a brown spot, the tip brown with a snowy stigma.

Inhabits *New Holland*. In the Museum of Sir *Jos. Banks*.

Abdomen with black lines : *wings* hyaline.

Oculata, Yellowish ; upper-wings hyaline at the tip, lower-ones at the margin, with a snowy stigma.

Inhabits *New Holland* ; much resembles the last.

Indica. Wings varied with yellow and brown ; and white at the tip, lower-ones with a blue spot at the base.

Inhabits *India*. *Drury. Inf. 2. tab. 46. fig. 1.*

Body brown : tip of the *wings* hyaline.

Murcia. Bronzed ; wings whitish spotted with brown, lower-ones yellow at the base.

Inhabits *India*. *Drury. Inf. 2. tab. 45. fig. 3.*

Vesiculosa. Wings white ; elevated vesicular front and thorax yellow immaculate

Inhabits *America* ; large.

Abdomen cylindrical, the segments pale at the base and black at the tip, tail with cylindrical scales.

• *Rubicunda*. Lower-wings only blackish at the base : body square.

Inhabits *Europe*. *Roes. Inf. 2. aquat. 2. tab. 7. fig. 4.*

In one *sex* the back is spotted with red, in the other with yellow.

- *Vulgatissima*. Thorax yellow with 8 black streaks.
Inhabits *Europe*. *Roef. Inf. 2. aquat. 2. tab. 5. fig. 3.*
- Obscura*. All the wings ferruginous: body dusky.
Inhabits *America*; size of *L. flaveola*.
Abdomen cylindrical: wings with an oblong brown marginal dot.
- *Vulgata*. Wings hyaline immaculate; abdomen cylindrical rufous.
Inhabits *Europe*. *Roef. Inf. 2. aquat. 2. tab, 8.*
- Sibirica*. Wings hyaline with a transverse broad ferruginous band towards the tip: body reddish
Inhabits *Siberia*. *Lepech. It. 1. tab. 4. fig. 8.*
- Sinuata*. Wings flat, longitudinally sinuate and black on the thicker margin with a white stigma.
In the *British Museum*. Body bluish.
- *Cancellata*. Wings immaculate at the base; back and sides of the abdomen interrupted by yellow.
Inhabits *Europe*.
- Pedemontana*. Wings flat cinereous with a brown band at the tip.
na. Inhabits *Italy*. *Sulz. Hist. Inf. tab. 24. fig. 1. ?*
Small. Body obscure yellowish.
- Fasciata*. Wings flat brown with a white streak.
Inhabits *India*. *Degeer. Inf. 3. tab. 26. fig. 7.*
- Umbrata*. Wings flat with a brown band.
Inhabits *South America*. *Degeer. Inf. 3. tab. 26. fig. 4.*
- Servata*. Wings flat white with an oblong black spot at the base and band in the middle.
Inhabits *China*; resembles the last. Body cylindrical.
- Notata*. Wings flat with white spots and tip.
Inhabits *Africa*. In the museum of Sir. *Jes. Banks.*
- Dimidiata*. Wings flat and black from the base to the middle.
Inhabits *America*. *Degeer. Inf. 3. tab. 26. fig. 6.*

- Equestris* Wings half black with a snowy band in the middle.
Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Head brown with a yellow dorsal line : all the wings black from the base to the middle, then a snowy band, the tip hyaline with a common brown spot.
- Fluctuans*. Wings black tip with white.
Inhabits *East India* ; small,
Body brown : front vesicular yellowish.
- Nebulosa* Wings white tip with black.
Inhabits *East India* ; small.
Body black : mouth yellow : sides of the thorax and abdomen spotted with yellow : tail with yellow appendages.
- Chinenfis* Upper-wings faint testaceous ; lower-ones green tip with brown.
Inhabits *China*. *Edwards. tab. 112.*
- Versicolor* Wings flat white with 3 black and 3 cinereous spots.
Inhabits *America*. In the museum of Dr. *Hunter*.
Head brown spotted with yellow : thorax brown with 2 yellow lines each side under the wings : abdomen brown.
- Vibrans* Wings flat white with a black spot in the middle, the tips ferruginous.
In the *British Museum*.
- Americana* Wings purplish with a white band ; upper-pair tip with white, lower-ones with a white line at the base.
Inhabits *India*. *Body* green.
- Marginata* Wings black ; upper-pair with a white spot at the tip : lower-ones edged with white.
Inhabits *Africa*. In the museum of *Sr Jos. Banks*.
Front blue : eyes brown dotted with yellow : thorax black : abdomen brown, whitish at the base.
- Ferruginea* Wings white, yellow at the base ; body red.
Inhabits *China*. *Drury. Inf. 1. tab. 47. fig. 6.*
- Tomentosa*. Wings white : body downy variegated with brown and green.
Inhabits *America* ; small.
Front blue : abdomen cylindrical black, the segments with a greenish dot each side.

- * *Aenea*. Wings hyaline: thorax green bronzed.
Inhabits *Europe*. *Schaeff. Icon. tab. 113. fig. 4. tab. 182. fig. 1.*
- Cyanea*. Wings white with a snowy spot terminated by a brown one: body blue.
Inhabits *America*. Body blue.
- 6 maculata*. Wings with 3 black costal spots, the last with a snowy stigma; lower-ones with yellowish bands.
Inhabits *China*; small.
Head yellowish: thorax yellowish with black lines: abdomen flat, yellowish with black lines.
- Contaminata*. Yellowish; wings whitish with a yellowish shade in the middle.
Inhabits *East India*; small.
Head yellowish, crown brown: thorax and abdomen yellowish.
- Epenina*. Wings yellowish with about 3 black bands.
Inhabits *Carolina*. *Drury Inf. 2. tab. 47.*
Head and thorax yellowish: abdomen cylindrical with a yellowish dorsal and lateral line: all the wings with a white costal spot near the tip.
- Varia*. Wings varied with yellow and brown, the tip with a white spot terminated by a black one.
Inhabits *Africa*. *Drury Inf. 2. tab. 45. fig. 1.*
Head yellowish: thorax dusky with 3 sulphur lines under the wings: abdomen sulphur with 3 black lateral lines.
- Juncea*. Wings with a blackish accessory membrane: thorax with 6 yellow lines: abdomen tapering towards the base.
Inhabits *Europe*. *Schaeff. Icon. tab. 6. fig. 10.*
- Carolina*. Wings whitish; lower-ones indented ferruginous at the base: thorax brown.
Inhabits *America*. *Drury Inf. 1. tab. 48. fig. 1.*
- Capensis*. Wings whitish, every where spotted and dotted with brown.
Inhabits the *Cape of good hope*. *Seba Mus. 4. tab. 86. fig. 17.*
- Tricolora*. Wings variegated with brown blueish and yellow, the tip hyaline.
Inhabits *India*. *L. variegata. Gmelin. n. 18.*
- Rubra*. Reddish; wings with a ferruginous base and marginal lines.
Inhabits out of *Europe*. *Mus. Lesk. f. 84. n. 1. c.*

b. *Divisions of the lip equal. Aethna.*

* *Forcipata* Thorax black with various yellowish characters: tail with 3 incurved claws.
Inhabits *Europe*. *Schæff. Icon. tab. 160. fig. 1. tab. 186. fig. 1.*

* *Grandis*. Thorax with 4 yellowish lines: body variegated with rufous white and black.
Inhabits *Europe*. *Donovan. v. tab. 166. Sulz. tab. 17. fig. 101.*
The colours of the body vanish when the insect is dead.

Variegata. Thorax with 2 yellow lines each side: wings with a white spot at the base.
Inhabits *Terre del fuego*. *Museum of Sir Jos. Banks.*
Body brown: mouth yellowish with a black dot at the base: abdomen round ferruginous, the segments edged with black and in each a white spot divided by a black line.

Clavata. Abdomen clavate, gibbous at the base: body variegated with brown and green.
Inhabits *China*.
Head vesicular green: thorax green with black lines: abdomen green with black streaks, the middle thinner and black with lateral yellow spots, the tip thickened black with a white tail:

Minuta. Abdomen yellow with 2 black lines; lower-wings yellow with 2 black spots.
Inhabits *China*; small.
Head yellow, eyes brown: thorax with yellow lines beneath: abdomen with 2 black lines above and one beneath: upper-wings black at the base with a yellow spot.

B. *Wings erect when at rest; eyes distinct: outer divisions of the lip bifid. Agrion.*

* *Virgo*. Wings coloured.
a. Body shining green-blue: wings blueish in the middle, the base and tip whitish, the margin immaculate.
Donovan. i. tab. 36. fig. 1. Schæff. Elem. tab. 78. fig. 1.
b. Body silky: wings blueish-green, the tip brown, the margin immaculate.
Reaum. 6. tab. 35. fig. 7. Leuwenh. arcan. tab. 19.
c. Silky green: wings brownish with a white marginal dot.
Roef. Inf. 2. aquat. 2. tab. 9. fig. 6
d. Body silky: wings brown gilt with a black spot.
Roef. Inf. 2. aquat. 2. tab. 9. fig. 5.
Inhabits *Europe*; very common about waters.

- *Puella*. Wings hyaline, not coloured.
 - a. Body red with yellow and black lines at each segment: thorax green with yellow lines: wings with marginal spots.
Donovan's Eng. Inf 1. tab. 36. fig. 2.
 - b. Body flesh-colour: wings with a brown marginal dot.
Reaum Inf 6. tab. 35 fig. 4. and 4. tab. 11. fig 6.
 - c. Body alternately blue and cinereous: wings with a black dot.
Roef. Inf 2. aquat. 2 tab. 10 fig. 3, 4.
 - d. Body beneath blue-green, above brown; thorax with alternate brown and blueish bands: wings with a black marginal dot.
Roef. Inf 2. aquat. 2. tab. 11 fig. 7.
 - e. Body green with a flesh-colour blush: thorax with 3 black lines: wings with a brown marginal dot.
 Inhabits *Europe*, in almost endless varieties.
- Ciliata*. Green-bronzed: abdomen brown: legs fringed black.
Inhabits *Coromandel* In the museum of Sir *Jos. Banks*.
Head and thorax bronzed: abdomen cylindrical.
- Nobilitata*. Upper-wings dusky; lower-ones filky-green tipped with black.
Inhabits *South America*.
Body glossy-green: lower-wings beneath black.
- Linearis*. Wings with a yellowish or black stigma: abdomen extremely long.
Inhabits *India*. *Drury Inf* 2. tab. 48. fig. 1.
Body brown: abdomen cylindrical.

75. EPHEMERA. Mouth without mandibles: feelers 4, very short filiform: antennæ short filiform: above the eyes are 2--3 large stemmata: wings erect, the lower-ones much shorter: tail terminating in long bristles or hairs. *Day-fly*.

These short lived animals are found every where about waters in the summer, and in their perfect state seldom live above a day, some of them not an hour, during which time they perform all the functions of life and answer all the ends of nature. The larva lives under water and is eagerly sought after by trout and other fish, is 6-footed active and furnished with a tail and 6 lateral fins or gills: the pupa resembles the larva, except in having rudiments of future wings.

A. Tail

A. Tail with 3 hairs or bristles.

- *Vulgata*. Wings reticulate and spotted with brown: body yellowish spotted with black.
Douvan. iv. tab. 128. *Degeer*. 2. tab. 16. fig. 1.
 Inhabits *Europe*, and appears in such innumerable swarms in *Carniola* that the peasants collect them by cart-loads to manure their land with.
- *Lutea*. Wings hyaline reticulate: body yellow.
 Inhabits *Europe*.
- Maroccana*. Wings white immaculate: body yellowish.
 Inhabits *Morocco*.
 Head yellowish, front blackish with a callous dot each side at the eyes: thorax and abdomen yellowish.
- Marginata*. Wings white with a brown outer margin: body black.
 Inhabits *Sweden*. *Roes.* *Inf.* 2. *aquat.* 2. tab. 12. fig. 1. 2.
- *Vespertina*. Upper-wings black, lower-ones white.
 Inhabits *Europe*.
- Halterata*. Wings two, white: abdomen white, tail brown.
 Inhabits *Kiel*. *Degeer* *Inf.* 2. tab. 17. fig. 17, 18.
- Brevicauda*. Wings two, cinereous with a black rib: abdomen pale, tail brown.
 Inhabits *Paris*; small.
- Inanis*. Wings hyaline: body black; segments of the abdomen from the fourth to the seventh pellucid.
 Inhabits *Europe*. *Mus. Lesh* p. 50. n. 15.

B. Tail with 2 hairs or bristles.

- Fenaja*. Wings white reticulate: body brown.
 Inhabits *Denmark*. *Degeer.* *Inf.* 2. tab. 18. fig. 1—4.
- *Bioculata*. Wings white reticulate: head with 2 yellow tubercles: tail yellow.
 Inhabits *Europe*. *Geoffr.* *Inf.* 2. tab. 13. fig. 4.
 Bristles of the tail white dotted with brown.
- *Nigra*. Wings blackish, the lower-ones extremely small: body black.
 Inhabits *Europe*.

- *Fuscata*. Wings hyaline: abdomen brown whitish at the base: legs pale
Inhabits *Europe*. Wings immaculate.
- Albipennis*. Wings white immaculate: abdomen pale at the base, tail blackish.
Inhabits *France*. Legs pale, the joints black.
- *Horaria*. Wings white, the thicker-margin blackish.
Inhabits *Europe*.
- *Culiciformis*. Wings white: body brown.
Inhabits *Europe*. *Pod. Mus. Græc. tab. 1. fig. 10.*
- *Striata*. Wings hyaline striate: thorax brown; abdomen white.
Inhabits *Europe*.
- Diptera*. Wings two, the marginal rib brown with cinereous spots.
Inhabits *Europe*. *Abdomen* with red lines.
- Notata*. Yellow; wings white: segments of the abdomen with a brown spot each side, beneath a brown dot.
Inhabits *Europe*. *Mus. Lesk. p. 50. n. 16.*
- Tefacea*. Wings brownish: body brown-testaceous; ends of the legs brown.
Inhabits *Europe*. *Mus. Lesk. p. 50. n. 17.*
- Ferruginea*. Wings yellowish: body ferruginous.
Inhabits *Europe*. *Mus. Lesk. p. 50. n. 18.*
- Stigma*. Wings brownish: body yellow; thighs with a black dot in the middle.
Inhabits *Europe*. *Mus. Lesk. p. 51. n. 20.*

76. PHRYGANEA. *Mouth* with a horny short curved mandible: *feelers* 4: *stigmata* 3: *antennae* fetaceous, longer than the thorax; *wings* equal incumbent, the lower-ones folded.

These are seen in a summer's evening floating in the air in large masses and are eagerly devoured by swallows; they are easily distinguished

distinguished from the smaller moths by their wanting the spiral tongue: the *larva* is 6-footed, found at the bottom of shallow water inclosed in a tube, constructed of sand straws or small chips of wood and is known to fishermen by the name of *caddy* or *caddo*: that of the first division is tailed with 7 gills or fins; of the others slightly hairy with 2 claws on the tail and 3 erect tentacula on the fourth segment: *p. pa* resembles the perfect insect.

A. Tail with 2 truncate bristles. Semblis.

Marginata Wings immaculate: body brown with yellowish spots on the head, sides of the abdomen yellowish.

Inhabits *Germany*; large.

Thorax grooved on the back: bristles of the *tail* yellowish annulate with brown and as long as the abdomen.

**Bicaudata* Wings reticulate brown: body brown with a yellowish line on the head and thorax.

Inhabits *Europe*. *Sulz. Inf. tab. 17. fig. 6. tab. 24. fig. 8.*

**Nebulosa* Wings pale cinereous: body brown.

Inhabits *Europe*. *Degeer Inf. 2. tab. 27. fig. 16, 17.*

Viridis. Wings greenish-hyaline immaculate; body greenish.

Inhabits *Germany*; small.

Antennæ green tipped with black: *head* and *thorax* green, the latter faintly margined with black: *abdomen* and *legs* greenish.

B. Tail without bristles.

**Reticulata* Wings subferruginous reticulate with black: body black.

Inhabits *Europe*.

**Striata* Wings testaceous with darker nerves.

Inhabits *Europe*. *Reaum Inf. 3. tab. 13. fig. 8, 9, 11.*

Analis. Wings brown with a white spot near the tail: nape covered with golden hair.

Inhabits *Sweden*. *Head* and *antennæ* black.

**Fusca*. Upper-wings brown immaculate: legs yellow.

Inhabits *Europe*.

Discoidea. Wings brown with a pale margin and spots on the disk: body grey.

Inhabits *Germany*.

Pilosa. Wings testaceous immaculate: head and thorax hairy.
Inhabits Sweden. Body testaceous.

Pallipes. All the wings black immaculate: legs pale.
Inhabits Italy; very small.

Signata. Wings grey brown spotted with yellow, the hind-margin
striate with yellow.
Inhabits America; small.

**Grandis.* Wings brown-testaceous with cinereous spots.
Inhabits Europe. Degeer *Inf.* 2. tab. 13. fig. 1.

**Varia.* Wings varied with dark-grey and black and spotted with
white in the middle.
Inhabits Europe. Donovan. viii. tab. 277. fig. 1.
Legs testaceous annulate with black,

Irrotata Wings grey-brown with numerous whitish spots and
specks.
Inhabits South America. Museum of Sir. Jof. Banks.
Head black: antennae testaceous: thorax black with a testaceous
spot: legs testaceous.

**Phalaen-* Wings white with scattered black spots: body black.
oides Inhabits Northern Europe. Udm. *Diff.* 53. fig. 16.

Flavicornis Wings grey; abdomen greenish: antennæ and legs yel-
lowish,
Inhabits Kiel; larger than Ph. grisea.

**Rhombica* Wings grey-brown with rhombic whitish spots.
Inhabits Europe. Donovan. vii. tab. 220.
Larva inclosed in a web made of short pieces of grass laid trans-
versely.

**Grisea.* Upper-wings clouded, with a black marginal spot.
Inhabits Europe. Degeer. *Inf.* 2. tab 13, fig. 31.

Atomaria Wings pale grey with numerous black dots.
Inhabits Kiel; large.
Antennae yellowish. head and thorax hairy: body cinereous.

Fennica. Wings striate cinereous with a testaceous dot near the tail:
body black: antennæ white at the base,
Inhabits Denmark.
Antennae black at the tip.

- Atrata.* Black : wings immaculate : antennæ short.
Inhabits *France*. Body villous.
- Notata.* Upper-wings yellowish-grey with a brown marginal spot.
Inhabits *North America*. Museum of Sir *Jos. Banks*.
Body brown : antennæ and legs testaceous : lower-wings white.
- * *Bimaculata.* Wings brown with a double yellow lateral spot.
Inhabits *Europe*. *Degeer, Inf. 2. tab. 15. fig. 5.*
Larva in a tapering cylinder composed of sand and mud.
- * *Nigra.* Wings black : antennæ twice as long as the body.
Inhabits *Northern Europe*. *Degeer, Inf. 2. tab. 15. fig. 21.*
- * *Azurea.* Wings black, the hind-part violet.
Inhabits *Europe*. Lower-wings obliquely violet.
- Variegata.* Wings brown speckled with testaceous.
Inhabits *Germany*.
Antennæ annulate with brown and testaceous : legs yellowish.
- * *Bilineata.* Wings brown with 2 transverse white lines on each margin.
Inhabits *Northern Europe*.
- * *Interrupta.* Wings black with 4 white bands, the anterior ones interrupted, the hind-one marginal and composed of dots.
Inhabits *England*. Body black.
Antennæ annulate with white and black, longer than the body : lower-wings cinereous : legs pale.
- Hirta.* Brown ; upper-wings hairy : antennæ as long as the body.
Inhabits *England* ; caught at *Oxford*.
Antennæ white annulate with brown, the first joint hairy : upper-wings brown with 2 faint darker spots ; lower-wings glabrous brown.
- * *Longicornis.* Wings brown with 2 darker waved streaks : antennæ very long.
Inhabits *Europe*.
- * *4-fasciata.* Black ; wings testaceous with 4 black bands : antennæ very long.
Inhabits *England*.
Antennæ annulate with white and black : legs pale, hind-thighs black : abdomen black.

- Punctata* Wings fringed pale yellowish dotted with white: abdomen green.
Inhabits *Paris*; resembles a *Tinea*.
- *Filosa* Wings rounded brown immaculate: antennæ thrice as long as the body.
Inhabits *England*.
Antennæ annulate with white and brown, the first joint hairy: lower-wings black-hyaline: abdomen black: legs pale.
- 3-punctata* Wings fringed cinereous with 3 brown dots.
Inhabits *Saxony*.
Antennæ longer than the body.
- *Minuta*. Variegated with brown and cinereous: feelers villous.
Inhabits *Europe*.
- Pusilla*. Wings fringed brown-testaceous; antennæ moderate, annulate with white and black.
Inhabits *Italy*; small.
- Atrata*. Black; wings whitish with numerous black spots and 2 bands.
Inhabits *Siberia*. *Lepech, It. 2. tab. 10. fig. 9.*
- Ciliaris* Black; abdomen with a white line each side: hind-thanks paler; antennæ moderate.
Inhabits *Europe*. *Fn. Succ. 1497.*
- Waneri* Cinereous; lower-wings paler, the inner margin whitish and hairy.
Inhabits *Sweden*. *Fn. Succ. 1494.*
- Albifrons* Black: wings with 4 white linear streaks on the outer part.
Inhabits *Sweden*. *Fn. Succ. 1495.*
- Flava*. Wings reticulate with yellow; antennæ moderate.
Inhabits *Europe*. *Fn. Succ. 1502.*
- Umbrosa* Black; upper-wings with yellowish clouds.
Inhabits *Europe*. *Fn. Succ. 1498.*
- Saltatrix* Wings hyaline with a green and white spot: antennæ longer than the body.
Inhabits *Europe*. *Fn. Succ. 1503.*

- Virefcens* Wings white, with ferruginous spots at the suture and inflected margin : abdomen greenish : legs yellowish. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 27.
- Argentata* Wings varied with brown and silvery with a brown dot behind the middle at the anterior margin and 3 at the posterior ; lower-ones tipped with brown. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 28.
- Fasciata.* Wings pale yellow with 4 white bands, one entire, the others composed of spots. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 29.
- Strigosa.* Testaceous ; lower-wings with a long white streak towards the tip. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 30.
- Maculosa.* Wings brown hairy spotted with white, 2 of the spots solitary towards the tip at the outer margin. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 32.
- Laciniosa* Testaceous ; wings with 3 white bands united at the base and each divided at the tip, with an oblique spot in the middle. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 34.
- Atomaria* Testaceous ; wings grey with numerous whitish solitary and confluent dots. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 36.
- Testacea* Wings and body brown-testaceous ; lower-ones whitish. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 37.
- Inconspicua* Brown ; antennæ and fore-feelers long ; wings grey, glabrous at the tip : legs yellowish. Inhabits *Europe*. *Mus. Lesk.* p. 51. n. 38.
- Ciliata* Black ; wings subtestaceous fringed, the veins at the anterior and posterior margin very much branched : 4 fore-legs testaceous. Inhabits *Europe*, *Mus. Lesk.* p. 52. n. 39.
- Annulata* Brown ; antennæ long annulate with white ; wings fringed at the inner and hind-margins. Inhabits *Europe*. *Mus. Lesk.* p. 52. n. 40.

77. HEMEROBIUS. *Mouth* with a short horny mandible, the jaw cylindrical straight cleft: *feelers* 4, unequal filiform: *stemmata* 0: *wings* deflected, not folded: *antennae* setaceous, projecting, longer than the thorax which is convex.

Like the Ephemerae, these insects are very short lived and in every state of their existence prey with unceasing avidity upon plant-lice: the *larva* is 6-footed, generally ovate and hairy; the *pupa* mostly folliculate: the *eggs* are deposited in clusters on the leaves of plants, each placed on a small gummy pedicel. Many of them when touched have an excrementitious smell.

A. Lip cylindrical membranaceous annulate. Semblis.

Pectinicornis. Antennæ pectinate: wings white with brown marks and nerves subarticulate with white.

Inhabits South America. Degeer. *Inf.* 3. tab. 27. fig. 3.

Griseus. Wings grey spotted with white.

Inhabits Africa.

Head and thorax ferruginous varied with black: lower-wings black at the base.

Atratus. Wings whitish; upper-pair spotted with black: body black.

Inhabits Africa. In the museum of Sir. Jos. Banks.

Head black, front covered with cinereous hair: thorax black hairy with a cinereous line each side: abdomen black with an oblong testaceous spot towards the tip.

Punctatus. Brown; wings white spotted with brown, the nerves dotted with white and black.

Inhabits—In the museum of Sir Jos. Banks.

Fuscatus. Wings brown spotted with white; lower-ones black at the base.

Inhabits East India.

Head ferruginous: mouth black: thorax dusky.

**Lutarius.* Black; wings striate whitish spotted with white.

Inhabits Europe. Degeer. *Inf.* 2. tab. 22. fig. 14. 15.

B. Lip horny, rounded at the tip, vaulted.

Gornutus.

- Cornutus*. Mandibles projecting horn-shaped.
Inhabits *North America*. *Degeer. Inf. 3. tab. 27. fig. 1.*
Body ferruginous, very large.
- Grandis*. Wings subequal reticulate with veins, with 2 yellowish spots.
Inhabits *Japan*. *Thunb. Nov. Inf. 1. p. 28. fig. 44.*
Body oblong yellowish : *antennæ* and *jaws* black.
- * *Perla*. Wings hyaline with green veins : body yellowish-green : eyes golden.
Inhabits *Europe*. *Donovan. viii. tab. 277. fig. 2.*
- Filosus*. Wings whitish ; body cinereous ; *antennæ* very long.
Inhabits *Otakeita*. In the museum of Sir *Jos. Banks*.
- * *Albus*. Wings hyaline ; body white : eyes brassy.
Inhabits *Europe*.
- Capitatus*. Wings white with reticulate nerves : body brown ; head and fore-part of the thorax testaceous.
Inhabits *Germany*.
Wings with a green shade and a common elongated brown spot.
- * *Chrysops*. Wings hyaline with green veins and brown spots : body variegated black and green
Inhabits *Europe*. *Donovan. vi. tab. 188.*
Head testaceous : *wings* fringed on the outer-margin.
- Maculatus*. Wings white, upper-pair spotted with black : body black.
Inhabits *France*. *Roes. Inf. 3. tab. 21. fig. 8.*
Body black : *head* and *legs* subtestaceous.
- * *Phalænoides*. Wings mucronate at the base and cut behind : body testaceous.
Inhabits *Europe*. *Degeer. Inf. 2. tab. 22. fig. 12. 13.*
Wings testaceous with an oblique brown streak and dot.
- Nitidulus*. Wings striate cinereous : body testaceous : legs pale.
Inhabits *Germany*.
Antennæ brown : *eyes* black.
- * *Hirtus*. Wings hairy reticulate with brown ; lower-ones with a terminal band.
Inhabits *Europe*. *Donovan. iv. tab. 113.*

Fuscatus Wings striate brown-hyaline: body black; legs testaceous.
Inhabits *Denmark and France*.

Lutescens Wing white with brown streaks: body yellowish.
Inhabits *Kiel*. *Degeer. Ins. 2. tab. 22. fig. 8.*

Humuli. Wings white with scattered brown dots: antennæ annulate with white and black.
Inhabits *Uppal*, in hop plantations.

Longicornis Black, mouth and legs pale: antennæ long brown.
Inhabits *Hollace*,
All the wings white with brown nerves and a brown marginal dot.

Striatulus Wings striate with brown; lower-ones immaculate: body brown and yellow.
Inhabits *Europe*.
Head yellow: mouth and eyes brown: thorax brown: breast and legs yellow: abdomen brown, yellowish at the sides.

8-punctatus Wings white; all with 2 brown dots.
Inhabits *Cochin China*. In the *British Museum*.

Fasciatus Wings white with 3 black bands and numerous specks.
Inhabits *Kiel*.
Antennæ black: head and thorax yellow with brown marks: abdomen black: lower wings white immaculate.

Variegatus Wings white with black spots, the nerves dotted: body brown.
Inhabits *France*. Antennæ and legs pale.

Nervosus Wings variegated the nerves dotted with white: body brown: crown and back of the thorax yellowish.
Inhabits *France*.
Antennæ yellowish annulate with black: legs yellowish.

**6-punctatus*. Wings white with brown spots and 6 distinct dots behind: antennæ brown.
Inhabits *Europe*.

Piticornis Upper-wings varied with white and brown: body black: antennæ long hairy.

Inhabits

Inhabits *Denmark*: small.

Lower-wings hyaline immaculate: *legs* pale.

Flavicans. Black; thorax and abdomen yellow.

Inhabits *Europe*.

• *2 punctatus*. Wings with 2 black dots: body varied with brown and yellow.

Inhabits *Europe*.

4-punctatus. Wings white with 4 black dots at the base, the tip radiate with brown.

Inhabits *Kiel*; small.

Head and *thorax* black; *antennae* *abdomen* and *legs* pale.

• *Abdominalis*. Brown; abdomen yellow with a black tail.

Inhabits *England* and *Norway*; less than a louse.

Antennae short brown: *wings* hyaline with brown veins.

Testaceus. Wings black, thrice as long as the body: body brown-testaceous.

Inhabits *America*. *Degeer. Inf. 3. tab. 21 fig. 4 5.*

Pagurus. Wings white, upper-pair with faint dusky bands: antennæ white.

Inhabits *Uptal*. *Legs* whitish.

Pedicularius. Greenish; antennæ moderate.

Inhabits *Europe*. Probably a species of *Termes*.

Flavus. Yellow; mouth blood-red each side.

Inhabits *Europe*. *Mus. Lesh. p. 52. n. 47.*

Melanostictus. Yellowish; wings hyaline varied with blue and gold, the nerves whitish dotted with black, the margins with minute black dots.

Inhabits *Europe*. *Mus. Lesh. p. 52. n. 49.*

Versicolor. Yellow; wings hyaline varied with blue and gold, base of the abdomen beneath and tail black; antennæ yellow.

Inhabits *Europe*. *Mus. Lesh. p. 52. n. 50.*

78. MYRMELEON. Mouth with a horny acute mandible and jaw; feelers 6: stemmata 0: antennae thicker at the tip: wings deflected: tail of the male armed with a forceps composed of 2 straight filaments.

Lion-ant.

The

The animals of this family prey with the most savage ferocity upon ants and lesser insects; and for the purpose of ensnaring them sinks itself into the sand and forms a kind of funnel or pit in which it lies buried, the head only appearing above the sand: in this hollow, such insects as wander near it are sure to fall, and not being able to crawl up the sides of loose sand, are seized and devoured by the lion-ant. But if the sides of the pit do not give way, or the unlucky insect appears to be able to make its escape, its merciless enemy, by throwing up with its head repeated showers of sand, forces it down till it comes within its reach, *Larva* 6 footed ovate hairy, with exerted toothed jaws: *pupa* enclosed in a ball composed of agglutinated sand or earth.

A. *Hind-feelers much longer; jaw 1-toothed; lip membranaceous square truncate emarginate.*

Libelluloides. Wings grey spotted with brown: body spotted with black and yellow.

Inhabits the Cape of good hope. *Degeer. 3. tab. 21. fig. 9.*

Pardalis. Wings white with scattered black dots: thighs yellow. Inhabits *Coromandel*. In the museum of Sir *Jos. Banks* Head and thorax varied black and yellow. abdomen yellow spotted with black: legs black, thighs yellow,

Pantherinus. Wings white spotted with black: body yellow; abdomen variegated with black.

Inhabits *Austria*.

Head yellow, front between the antennæ black.

Lynceus. Wings hyaline with a black marginal spot at the tip, in the middle of which is a snowy one.

Inhabits *Sierra Leona*.

Antennæ black, ferruginous at the tip: body above brown, beneath yellowish.

• *Formicarius.* Wings clouded with brown, with a white marginal spot behind.

Inhabits *Europe*. *Reaum. 4. tab. 14. f. 18, 19. t. 11. f. 6. 8.* and *tab. 32, 33, 34. Roes. Inf. 3. tab. 17—20.*

Catta. Wings hyaline with faint brown spots, the nerves spotted with black.

Inhabits *Madeira*. In the museum of Sir *Jos. Banks*.

Body brown spotted with yellow: legs yellow, hind-thighs with a black ring.

Punctatus.

Punctatus. Wings hyaline, the nerves with alternate black and white dots.

Inhabits *India*. In the museum of Sir *Joy. Banks*.

Head yellowish, black between the antennæ with a black line in the middle behind and 2 dots each side: *thorax* yellowish with 3 black lines: *abdomen* brown: *legs* yellowish.

Formica-lynx. Wings immaculate: body brown.

Inhabits *Africa* and *America*. *Degeer*. 3. *tab.* 27. *fig.* 8.

Tigrinus. Wings hyaline immaculate; body brown; margin of the thorax and legs yellow.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Head brown, mouth yellow: *thorax* dusky, the fore and lateral margins yellow: *abdomen* brown: *legs* yellow.

Caninus. Wings hyaline immaculate: body brown: head and thorax spotted with yellow.

Inhabits *Gainea*; small.

Abdomen with a few yellow dorsal spots.

B. *Feelers* nearly equal; *jaw* ciliate; *lip* horny rounded cature. *Ascalaphus*.

Barbarus. Wings reticulate yellowish-hyaline with 2 brown spots.

Inhabits *Europe* and *Africa*. *Schæff.* *Icon.* *tab.* 50. *fig.* 1—3.

Antennæ as long as the body: *thorax* spotted with yellow.

Longicornis. Upper-wings hyaline with a double yellow spot at the base; lower-ones yellow, black at the base.

Inhabits *Italy*. *Sulz. Hist. Inf.* *tab.* 25. *fig.* 4.

Capeusis. Wings white reticulate with black: tail forked.

Inhabits the *Cape of good Hope*.

Head hairy black; *abdomen* black, terminated by a strong ciliate forceps.

Appendiculatus. Wings white immaculate, 1-toothed at the base.

Inhabits—In the *British Museum*.

Antennæ rufous: *body* villous brown: *upper-wings* with a small tooth at the inner base.

Australis. Wings white with a black marginal spot: body variegated.

Inhabits *Southern Europe*.

Antennæ as long as the body: *head* yellow, front and eyes brown: *thorax* and *abdomen* variegated with yellow and brown.

- Cayennensis* Wings white with a snowy marginal spot.
 Inhabits *Cayenne*. *Antennae* long.
Head brown; front cinereous hairy: *thorax* cinereous.

79. PANORPA. Mouth lengthened into a cylindrical horny proboscis: feelers 4, nearly equal: stemmata 3: antennae filiform, longer than the thorax: tail of the male armed with a chelate appendage; of the female unarmed.

- * *Communis* Wings of equal length, spotted with black.
 Inhabits *Europe*. *Donovan*. vi. tab 201.

- Germanica*. Wings equal, hyaline tipped with brown.
 Inhabits *Germany*; resembles the last.

- Scorpio*. Wings equal, black spotted with white: body dusky.
 Inhabits *North America*. *P. lugubris*. *Gmelin*. p. 2647.

- Fasciata*. Wings equal yellowish with black dots and bands.
 Inhabits *North America*. *P. americana*. *Gmelin*. p. 2647.

- Hymalis*. Wings subulate slightly incurved ciliate: female apterous.
 Inhabits *Saxony*; small.

- Tipularia*. Wings immaculate: abdomen falcate: legs very long.
 Inhabits *Italy*. *Sulz. Hist. Inf. tab. 25. fig. 78*.
 Body yellow: wings equal.

- Capensis*. Wings equal immaculate: body ferruginous.
 Inhabits the *Cape*. *Thunb. Nov. Inf. 3. p. 67. fig. 78*.

- Japonica*. Wings equal, hyaline with 2 black bands: body black.
 Inhabits *Japan*. *Thunb. Nov. Inf. 3. p. 67. fig. 79*.

- Coq*. Wings erect, lower-ones nearly linear and very long.
Lettsew's Natural's Companion. fig. 4.
 Inhabits *Greek Islands*. *Forsk. Desc. 97. tab. 25. fig. 2*.
 Upper-wings yellowish spotted with brown: lower-ones extremely narrow and as long again as the upper-pair, alternately brown and yellowish.

80. RAPHIDIA. *Mouth* with a curved toothed horny mandible: *thorax* long, cylindrical: *stemmata* 3: *wings* deflected: *antennæ* filiform, as long as the thorax, the anterior part elongated and cylindrical: *feelers* 4, very short, filiform: *tail* of the female terminated by a large recurved bristle.

**Ophiopsis*. Wings immaculate.

Inhabits *Europe* in woods, and preys on other Insects.

Degeer Inj. 2. tab. 25. fig. 4. *Schæff*, Icon. tab. 95. fig. 1, 2.

**Notata*. Wings with a brown marginal spot.

Inhabits *England*; probably only a variety of the last.

Body black: *head* black with a testaceous spot: *legs* testaceous: appendage of the *female* as long as the body.

ORDER V. HYMENOPTERA.

Wings 4, membranaceous: female mostly armed with a sting.

81. CYNIPS, *Mouth* with a short 1-toothed membranaceous jaw, the mandibles vaulted horny cleft, the lip entire; *feelers* 4, short unequal capitate: *antennæ* moniliform: *sting* spiral, often concealed within the body. *Gall-fly.*

The numerous excrescencies or galls found on the roots branches and leaves of various trees are produced by the puncture of these insects: the *larva* is without feet soft. cylindrical, and inhabits within the gall, feeding on the juices of the tree: the *pupa* resembles the perfect insect except in having only the rudiments of wings.

Adscendens. Bronzed; abdomen petiolate conic ascending.
Inhabits *Saxony*; large.
Abdomen placed on a pedicel: *legs* pale.

Compressa. Glossy-black: abdomen compressed: shanks ferruginous.
Inhabits *Italy.* *Fabric. Append. p. 455.*

Rosæ. Black; abdomen ferruginous, black behind: legs ferruginous.
Inhabits *Bedeguar.* *Reaum. 3. tab. 46. fig. 5—8. tab. 47. fig. 1—4.*

* *Glechomæ* Brown; thorax villous.
Reaum. 3. tab. 42. fig. 1—5. Welsh. Hecast. tab. 127. fig. 1.
Forms round rough galls on the *Glechoma bederacea.*

* *Quercus* Black; base of the antennæ and legs yellowish.
baccarum. *Reaum. 3. tab. 42. fig. 8. Udm. Dip. tab. 1. fig. 14.*
Forms roundish pellucid galls, about the size of a pea, on the under surface of the leaves of the *Oak.*

* *Quercus* Black; thorax lineate: legs grey: thighs beneath black.
folii. *Reaum. 3. tab. 39. fig. 14—17. Roef. 3. tab. 52. 53.*
Forms galls, about the size of a nut, on the under surface of the leaves of the *Oak.*

- * *Quercus inferus*. Black ; antennæ and legs pale.
Forms globular opaque red galls, on the under-surface of the leaves of the *Oak*.
Wings hyaline without veins or costal dots.
- * *Quercus petioli*. Black ; legs white, thighs brown.
Reaum. 3. tab. 35. fig. 3. Roef 3. tab. 35, 36.
Forms convex galls on the petioles of the *Oak*.
- * *Quercus pedunculata*. Grey ; wings with a linear cross.
Reaum. Inf. 3. tab. 40. fig. 1—6.
Forms granulate connected galls on the male flowers of the *Oak*.
- * *Quercus ramuli*. Pale ; abdomen and wings black.
Forms white wooly galls on the smaller branches of the *Oak*.
- Quercus tojae*. Grey ; abdomen shining ferruginous.
Inhabits *France*, in galls on the *Quercus toja*.
- Quercus corticis*. In galls on the bark of the oak.
Forms a cup-shaped gall, the disk convex and surrounded with about 20 concave dots.
- * *Quercus gemmae*. In the terminal bud of the oak.
Found in the large imbricatè galls on terminal buds of the oak.
Reaum. Inf. 3. tab. 43.
- Quercus calicis*. On the calyx of the oak and ægilops.
Bergsdorf. Schr. der. Berl. Naturf. 4. p. 1. tab. 1, 2.
Forms galls which are sometimes used by Tanners.
- * *Fagi*. Black ; immaculate.
Forms pyriform galls on the under-surface of the leaves of the Beech. *Frisch. Inf. 2. tab. 5.*
- * *Viminalis*. Yellow ; thorax black.
Roef. Inf. 2. Vesp. tab. 10. fig. 5—7.
Forms galls on the leaves of the *Salix viminalis*.
- * *Capreae*. Shining-green ; legs pale.
Frisch. Inf. 4. p. 39. tab. 22.
Forms ferruginous galls, resembling grains of barley, on the leaves and branches of the *Willow*.
- Salicis fibrosæ*. Black ; thorax greenish on the back.
In the ends of the branches of the *Salix glabra* which it dilates into a strobile-shaped excrescence.

Amerianæ. Black ; legs pale.

Forms unequal galls at the ends of branches of the *Salix pentandria*.

Aceris.

Body brown ; thorax black, longer than the abdomen.

Forms glabrous subterlinate galls, which grow red after some time, on the leaves of the *Acer pseudoplatanus*. *AB.*

Bohem 4 p. 184.

Ruficornis.

Black ; abdomen blue : antennæ rufous.

Inhabits *France*. *Wings* white immaculate.

Megacephalus.

Black ; head very large and retuse : abdomen truncate.

Inhabits *Denmark*, in decayed wood.

Wings white with a brown spot in the middle : *shanks* yellow.

Italica.

Glossy-black : thorax golden.

Inhabits *Italy*.

Head black with a green gloss : *thorax* punctured shining gold : *abdomen* ovate black.

Psenes.

In protuberances of the *Ficus carica*.

Ponted. Anthol. tab. 11. fig. 11, 12, 13.

Sycomori.

Body black ; sting exerted weak.

In protuberances of the *Ficus Sycomorus*. *Hassel. It. 426. 113.*

Longipennis

Black ; abdomen compressed : wings long white with 2 black dots.

Inhabits *France*, in a small flat gall.

Antennæ setaceous : *abdomen* compressed, elevated on the back : *legs* black, the joints pale.

Rosmarini.

On the *Rosmarinus chilensis*.

Forms white globular galls, about the size of a nut, and full of a clear oil, on the branches of the *Rosmarinus chilensis*.

Body brown : *Molin. Hist. Nat. Cbil. p. 187.*

Aterrima.

Black with raised dots ; tarsi paler.

Inhabits *Austria*. *Schrank Inf. Aust. p. 320. n. 645.*

Forms a very large excrescence on the stems of plants.

Rubi.

Silky green-gold punctured ; bristles at the end of the tail shorter than the body.

Forms stumous protuberances on the stems and branches of the *Rubus cæsius*. *Schrank. Inf. Aust. p. 320. n. 646.*

- Phragmitis* Black; base of the antennæ and legs testaceous: abdomen elongated into a broad projecting tail
In the inflated stalk of the *Arundo Phragmitis*. *Sebrank. Inf. Aust. p. 321. n. 647.*
- Lugdunea*. Black spotted with yellow; hind-thighs globular, toothed at the inner-margin: sting triple, turned back over the abdomen.
Tourette. Af. Paris. extran. 9. p. 730. fig 1—4.
Inhabits *France*, on various plants; large.
- Testacea*. Testaceous; head and legs yellowish; eyes black.
Inhabits *Europe*. *Mes. Lesk. p. 53. n. 58. c.*
- Nigra*. Black; base of the abdomen and legs pale.
Inhabits *Europe*. *Muj. Lesk. p. 53. n. 58. d.*
- Inanita*. Black; abdomen of one segment, the fore-part with a diaphanous spot each side: legs ferruginous.
Inhabits *Upsal*; size of the *Formica rufa*.
Antennæ shorter than the body: *thorax* a little rough: *abdomen* oblong, obtuse, opaque: *stanks* black. Probably not of this genus.
- Aptera*. Apterous, ferruginous; abdomen compressed with a broad black band.
Inhabits *France*; large.
Antennæ black, the first joint testaceous.

82. TENTHREDO. Mouth with a horny curved mandible, toothed within, the jaw straight and obtuse at the tip, the lip cylindrical bifid: feelers 4, unequal filiform: wings tumid, the lower-ones less: sting composed of 2 ferrate laminæ and almost secreted: stemmata 3.

Saw-fly.

The insects of this tribe feed on the leaves of various plants: the female uses her sting in the manner of a saw, and cuts out spaces in the twigs or buds of trees for the purpose of depositing her eggs: larva cylindrical soft 16—28 footed, feeds on the leaves of plants, and when touched, rolls itself up spirally: pupa folliculate: eggs increase in size every day 'till the larvæ burst from them.

A *Antennae clavate.*

- * *Femorata* Antennæ yellow : body black : hind-thighs very large,
Inhabits *Europe*. *Albin. tab. 69. Sulz. tab. 36. fig. 4.*
Larva green with a blue dorsal line and lateral yellow one.
- Lucorum.* Antennæ blackish : body villous black.
Inhabits *Europe*, on the Birch and Alder.
- * *Lutea.* Antennæ yellow : abdomen yellow, the second segment
black.
Inhabits *Europe*. *Donovan. vii. tab. 234: Albin. tab. 59.*
Head and thorax black : legs ferruginous.
Larva green with a black dorsal line and 2 black dots on each
segment each side.
- Sylvarum* Antennæ yellow ; body black ; abdomen ferruginous, the
base and tip black ; wings with a brown hind-marg-
in.
Inhabits *Germany*; size of the last.
Antennæ yellow, the joints black at the base : legs black, all the
tarsi ferruginous.
- * *Amerinae* Body black covered with cinereous down : abdomen rufous
beneath : lip white.
Degeer. tab. 33. fig. 20. Schaeff. Ic. tab. 90. fig. 8. 9.
Inhabits *Europe*, on the Willow.
Larva rough green speckled with white.
- * *Margina- 12.* Antennæ yellowish at the tip : body black : lower segments
of the abdomen edged with white.
Inhabits *Europe*; size of a Bee.
Head and thorax covered with white down : flanks yellowish.
- Tristis.* Antennæ yellow ; body black : wings tipped with brown.
Inhabits *Sunamore Islands.*
Body with a few faint ferruginous spots.
- * *Vittellinae* Abdomen above black, the sides rufous : hind-thighs
toothed.
Inhabits *Europe*. *Donovan. iii. tab. 81. fig. 3:*
Body large hairy black : antennae yellow tipped with black : abdo-
men beneath ferruginous with lateral black dots : thighs black,
flanks ferruginous : wings dusky with a brown hind-marg-
in.
- * *Fasciata.* Antennæ blackish : body black ; upper-wings with a
brown band.

Inhabits

Inhabits Europe.

Abdomen with a small white band at the base of the first segment:
lower-wings immaculate.

- **Sericea*. Antennæ yellow : thorax black : abdomen bronzed (*Male*)
Antennæ yellow : abdomen green with a blueish gloss
(*Female*).
Inhabits Europe. Schaeff. Elm. t. 51. Degeer. tab. 38. f. 34.
Larva short green with 2 yellow lines, head cinereous with a
reddish band.

- **Obscura*. Body black glabrous.
Inhabits Sweden. Wings whitish,

- **Connata*. Black ; abdomen with yellow bands.
Inhabits Europe, on the Elder. Geoffr. Inf. par. 1. p. 262.

B *Antennæ inarticulate, thicker at the tip.*

- **Ubulata*. Body black ; abdomen blueish : flanks pale.
Inhabits Europe. Degeer. Inf. 2. tab. 39. fig. 19. 20.
Larva green with 2 white lines, head testaceous with a darker
band.

- **Enodis*. Body blueish black.
Inhabits Europe. Degeer. Inf. 2. tab. 40. fig. 6.
Body violet : wings whitish at the tip.
Larva green dotted with black, a rough line down the sides, tail
pointed.

- **Clavicornis*. Body black : abdomen yellow tipped with black.
Inhabits America. Museum of Sir Jos. Banks.
Antennæ yellowish, black at the base : legs yellow, thighs black :
upper-wings with a brown marginal spot.

- **Cerulea*. Body blue-black : abdomen yellow : wings with a brown
spot.
Inhabits England. T. cyano-crocea. Gmelin. p. 265b.
Abdomen yellow, tail violet : rib of the upper-wings yellowish from
the base to the middle : legs black, thighs and base of the hind-
flanks ferruginous.

- **Americana*. Thorax yellow : abdomen blue : wings black.
Inhabits Surinam. Degeer. Inf. 3. tab. 30. fig. 21.

- Costalis.* Body black ; rib of the wings ferruginous.
Inhabits *Germany* ; body short.
Tail with a few white streaks.
- *Rosae.* Black ; abdomen yellow : rib of the upper-wings black.
Inhabits *Europe*. *Denovan.* v. tab. 164. *Mer. Eur.* tab. 144.
Thorax with a yellow spot each side.
Larva yellow dotted with black.
- Eglanderie.* Yellow ; head hind-part of the thorax and rib of the wings black.
Inhabits *Germany* ; size of the last.
Legs black, shanks yellow.
- Spinarum.* Yellow ; crown 2 spots on the thorax and rib of the wings black
Inhabits *Kiel*.
Antennae black : head black, mouth yellow : legs yellow, all the tarsi black annulate with yellow.
- Serva.* Yellow : head and back of the thorax black.
Inhabits *Zealand* : small.
Wings white with a black costal spot.
- Annulata.* Black ; abdomen and legs yellow, hind-shanks black annulate with white,
Inhabits *Kiel* ; very small.
Head black, lip white villous : wings white, the rib half way black.
- Ciliaris.* Black ; hind-shanks white : antennæ ciliate beneath.
Inhabits *Germany* ; size of *T. pini*.
- *Atrata.* Black ; back with a yellowish-green belt and 3 curves.
Inhabits *England* *Forst. Nov. Inf.* 1. p. 80.
Wings ferruginous : shanks yellow, claws rufous.
- Bicolor.* Black-blue ; abdomen and base of the wings yellow ; wings with a black band.
Inhabits *Austria*. *Schranck. Inj. Aust.* p. 323. n. 652.
- Melanochra.* Black ; abdomen yellow, tail with a black line each side ; shanks and ends of the legs full yellow ; wings with a black spot.
Inhabits *Europe*. *Mus. Lesk.* p. 53. n. 69.
- Tricolor.* Head and thorax black ; wings and legs brown ; abdomen yellow.
Inhabits *Europe*. *Mus. Lesk.* f. 53. n. 70. 72.

- Ochropus* Head thorax middle of the breast and tip of the hind-shanks black : abdomen and legs yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 53. n. 71:

C. *Antennæ pectinate.*

- Cephalotes* Black ; abdomen with 4 yellow belts.
Inhabits *Germany* ; large.
Head black with 3 yellow dots between the eyes and 2 lunules behind : *antennæ* testaceous : *thorax* black with an interrupted glaucous streak before : *legs* ferruginous.
- Nemorum* Antennæ ferrate each side : body black ; thorax with yellow dots, abdomen with yellow bands.
Inhabits *Saxony* ; large.
Antennæ black, testaceous at the base : *head* black with yellowish marginal dots at the base : *abdomen* with 2 yellow bands and marginal dots.
- Frutetorum* Black ; abdomen with lateral yellow dots.
Inhabits *Saxony* ; less than the last.
Fore part of the *thorax* yellow : *legs* yellow.

- **Dorsata* Whitish ; head and back of the thorax and abdomen black.
Inhabits *England*. In the Museum of Sir *Jos. Banks*.
Antennæ of many joints, black and ferrate with short fasciculate hairs : *legs* white, thighs with a black line within.

- **Juniperi* Antennæ feathered obtuse : thorax glabrous ; body black.
Inhabits *Europe*. *Sulz. tab.* 18. *fig.* 110. *tab.* 26. *fig.* 5—6.
Larva green dotted with black.

- **Pini*. Antennæ feathered lanceolate : thorax a little villous.
Inhabits *Europe*. *Schueff. Icon, tab.* 67. *fig.* 7. 8.

D. *Antennæ filiform, with 7—9 articulations.*

- **Scrophulariae*. Abdomen with 5 yellow belts, the first remote.
Blackw. *Her.* 1. *tab.* 87. *fig.* 10. *Reaum.* 5. *tab.* 13. *f.* 12—23.
Inhabits *Europe*, on the *Scrophularia*.
Larva with 22 feet, snowy dotted with black.

- **Arcuata* Abdomen black with 5 greenish-yellow curves, band at the base and sides.
Inhabits *England*. *Forst. Nov. Inf.* 1. p. 79.
Antennæ black, yellow at the base : *tip* yellow : *thorax* black with a yellow line : *scutellum* yellow : *breast* spotted with yellow : *wings* hyaline with a brown rib.

**Salicis*.

- Salicis* Body variegated ; scutel white.
 Inhabits *Europe*. *Reaum. Inf.* 5. *tab.* 11. *fig.* 10.
Larva flat hairy yellow with 2 lateral lines each side of black dots, head black.
- Flavicornis* Yellow : head and tail black.
 Inhabits *Germany* and *Italy*.
Thorax black, yellow on the back : *wings* hyaline, brownish at the tip.
- Luteicornis* Black : antennæ mouth base of the abdomen and *thanks* yellow.
 Inhabits *Kiel*.
Wings white with a testaceous rib, the tip brown : above the base of the *hind-thighs* is a whitish dot.
- Viridis* Body green ; abdomen above brown.
 Inhabits *Europe*. *Sulz. Inf.* *tab.* 18. *fig.* 112.
Body sometimes green, sometimes brownish.
- Cingulata* Black ; segments of the abdomen, except the first, edged with yellow.
 Inhabits *Germany* : size of the last.
Antennæ black, the first joint yellow : *thorax* black with a pale callous dot under the wings and 2 small ones under the scutels : *legs* yellow, *thighs* black at the base.
- Padi.* Black ; *thighs* and *thanks* white.
 Inhabits *Europe*. *Fn. Suec.* 1544.
- Cynipifor-*
mis. Brassy-green ; legs fulvous : hind-thighs bronzed.
 Inhabits *Germany*. *Act. Bohem.* 4. p. 184.
Thorax elongated : *female* blue-bronze.
- Rapae.* Body black ; abdomen beneath legs and scutel whitish.
 Inhabits *Europe*, on the leaves of the Turnip.
- Cerasti.* Body black ; scutel and legs yellow.
 Inhabits *Europe*. *Reaum. Inf.* 5. *tab.* 6. *fig.* 1—5.
Larva gelatinous black.
- Napata.* Pale yellow ; scutel and dot on the wings white.
 Inhabits *Europe*.
 Under the *scutel* a black spot with 4 white dots : *legs* yellow.
- Ovata.* Body black ; thorax red.
 Inhabits *Europe*. *Degeer. Inj.* 2. *tab.* 35. *fig.* 10.
Larva greenish covered with whitish meal.

- * *Alni*. Body black ; head and thorax red.
 Inhabits *Europe*. *Reaum. Inf. 5. tab. 1. fig. 1.*
Antennae black ; *fore-legs* testaceous : *abdomen* black with a violet
 gloss.
- * *Parvula*. Black ; 3 segments of the abdomen and legs ferrugi-
 nous.
 Inhabits *Sweden*. *Reaum. Inf. 5. tab. 5. fig. 19—21.*
Head black, mouth whitish ; *scutellum* black with a minute ferru-
 ginous dot each side : 3. 4. 5. segments of the *abdomen* ferru-
 ginous : *hind-thighs* black
Larva green with white meal, head yellow.
- * *Abietis*. Body black ; 4 segments of the abdomen ferruginous
 Inhabits *Europe*. *Frisch. Inf. 2. tab. 1. fig. 21—24.*
- * *Analis*. Black : middle of the abdomen rufous, tail white.
 Inhabits *Saxony*.
Abdomen with the segments 2, 3, 4. rufous.
- * *Germanica*. Body black : fore-part of the thorax and abdomen rufous.
 Inhabits *Germany*.
- * *Maura*. *Antennae* black, white before the tip : body black, first seg-
 of the abdomen with 3 white dots.
 Inhabits *Kiel* ; resembles *T. livida*.
Mouth white : 4-*fore-legs* testaceous, the thighs black, hind-ones
 black with a white dot at the base.
- * *Rufipennis*. *Antennae* black, white before the tip ; body black ; abdo-
 men and legs testaceous.
 Inhabits *Kiel* ; size of *T. livida*.
Head black, mouth white : *thorax* black with a white line each
 side on the fore-part : *hind-thighs* black,
- * *Livida*. *Antennae* black, white before the tip ; body black ; tip of
 the abdomen and legs ferruginous.
 Inhabits *Europe*.
Mouth white : first segment of the *abdomen* with 3 minute white
 dots,
- * *Albicornis*. *Antennae* tipped with white ; body black ; *thorax* testaceous :
 wings tipped with brown.
 Inhabits *Italy* : large and short.
Wings whitish, the rib testaceous.

Conagra. Body glossy-black : joints of the legs testaceous.
Inhabits *Germany*. Under the *scutela* a yellow dot.

Atra. Body black ; legs red.
Inhabits *Europe*.

Marginella. Black ; most of the segments of the abdomen edged with yellow, the second immaculate.
Inhabits *Kiel*.

Antennae black, the first joint yellow : *head* black, lip yellow at the base : *thorax* black with 2 large yellow spots before and 2 dots on the scutellum : *legs* yellow, thighs black in the middle : *wings* white with a yellow rib.

**Cincta.* Black ; belt on the abdomen and shanks yellow.
2. Body black ; abdomen with a white belt.
Inhabits woods of *Europe*.

**Rustica.* Black ; abdomen with 3 yellow belts, the 2 lower-ones interrupted.
Inhabits *Europe*. *Degeer. Inf. 2. tab. 34. fig. 13.*
Larva cinereous with reddish triangular dorsal spots.

Lateralis. Black ; middle of the back rufous, the sides white.
Inhabits *Sweden*, on flowers.
Head black, mouth yellow : *thorax* with a white dot before the wings : *abdomen* black, the segments 2, 3, 4. rufous on the back : *abdomen* white at the sides and ending in a white dot : *legs* rufous.

**Caprea.* Yellow ; head thorax and abdomen above black : wings with a yellow dot.
Albin. tab. 59. g. h. Reaum. 1. tab. 1. fig. 8.
Inhabits *Europe* ; is very destructive to the gooseberry and red currant, but never touches the black currant.
Larva blue, the 3 first segments and the last fulvous, with 9 rows of black spots.

Morio. Black ; legs pale.
Inhabits *Germany* ; small and short.

• *septentrionalis.* Hind-legs compressed and dilated.
Inhabits *Europe*. *Degeer. Inf. 2. tab. 37. fig. 26.*
Body glabrous black, the 4 middle segments of the abdomen rufous : shanks with a white band at the base.

- 12-punctata* Body black with 12 white dots.
Inhabits *Europe*.
- Punctum*, Body black ; abdomen white at the sides : hind-thighs red.
Inhabits *Germany*. *Legs* white.
- * *Blanda* Black ; abdomen rufous in the middle ; hind-thighs with a white spot.
Inhabits *England*. In the museum of Sir. *Jos Banks*.
Head black with a pale spot under the antennæ : *abdomen* black, the segments 2. 3. 4. 5. rufous.
- 4-maculata* Black : hind-legs rufous with 2 white spots at the base.
Inhabits *Kiel*.
Wings hyaline with a marginal dot.
- * *Vaga*. Black ; abdomen beneath yellow.
Inhabits *England* ; small.
Head black, mouth yellow : *abdomen* above black with a few faint yellow streaks.
- Opaca*. Black : thorax with a rufous spot each side at the tip.
Inhabits *Sweden*.
- Carbonaria* Black ; mouth and legs yellowish ; hind-legs black, white before the tip.
Inhabits *Germany*.
Lip yellowish : *hind-shanks* with a white dot at the tip.
- Nigra*. Body entirely black.
Inhabits *Ujal*.
- * *Ethiops* Black, glabrous : 4 fore-shanks pale.
Inhabits *England*. Museum of Sir *Jos. Banks*.
- Rufipes* Body black : abdomen with 2 yellow belts : legs red.
Inhabits *Europe*. *Fn. Suec.* 1550.
- Campestris* Black : abdomen with a yellow unequal belt : antennæ and shanks yellow.
Inhabits *Europe*. *Fn. Suec.* 1551.
- Ginffa*. Black ; abdomen with a white belt.
Inhabits *Europe*. *Fn. Suec.* 1556.

- Annularis* Glossy-black ; antennæ tipped with white : shanks ferruginous.
Inhabits Austria. Schranck, *Inf. Aust.* 325. n. 655.
- Ferruginea* Antennæ black annulate with white : body deep ferruginous : thorax breast and crown black.
Inhabits Austria. Schranck, *Inf. Aust.* p. 326. n. 656.
- Crassa* Black : legs rufous : under the scutellum 2 raised rufous dots.
Inhabits Austria. Schranck, *Inf. Aust.* p. 328. n. 659.
- Albicincta* Black ; abdomen with a white belt at the base ; shanks with a white ring.
Inhabits Austria. Schranck, *Inf. Aust.* p. 321. n. 661.
- Vespiiformis* Antennæ yellow : all the segments of the abdomen edged with yellow.
Inhabits Austria. Schranck, *Inf. Aust.* p. 329. n. 662.
- Semicincta* Black : abdomen with a yellowish belt interrupted behind : legs and abdomen beneath yellow.
Inhabits Austria. Schranck, *Inf. Aust.* p. 331. n. 665.
- Viennensis* Black : abdomen with 5 yellow belts : base of the antennæ fulvous.
Inhabits Austria. Schranck, *Inf. Aust.* p. 331. n. 666.
- Ribis*. Black ; shanks and apophysis of the hind-thighs at the outer sides white.
Inhabits Austria. Schranck, *Inf. Aust.* p. 332. n. 668.
Larva green, head edged with brown, body rugged with 6 pectoral legs furnished with claws 6 approximate abdominal ones and 2 short pilulous caudal ones,
- Fuliginosa*. Black : wings footy.
Inhabits Austria. Schranck, *Inf. Aust.* p. 334. n. 670.
- Dealbata*. Black : abdomen spotted with white each side ; hind-thighs clavate yellowish.
Inhabits Austria. Schranck, *Inf. Aust.* p. 334. n. 671.
- Alneti*. Yellow : abdomen above black.
Inhabits Austria. Schranck, *Inf. Aust.* p. 335. n. 673.
Thorax and legs fulvous.

- Hæmatodes*. Black ; thorax red each side on the fore-part.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 336. n. 678.*
- Erythrogonia*. Black : tip of the thighs and base of the shanks red.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 338. n. 681.*
- Fulviventris*. Black : abdomen red or fulvous.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 337. n. 679.*
Thorax fulvous, or fulvous varied with black.
- Fulvivaria*. Black : outer margin of the wings fulvous.
Inhabits *Vienna*. *Schranck. Inf. Aust. p. 338. n. 682.*
- Sulphurata*. Black: antennæ subclavate: 4 fore-legs sulphur ; ends of the legs white.
Inhabits *Europe*. *Mus. Lesk. p. 53. n. 76.*
- Flavicola*. Antennæ subclavate black, the base yellow : mouth & first segments and sides of the abdomen and legs yellow.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 77.*
- Annulata*. Yellow : antennæ subclavate black : tip of the shanks and ends of the legs annulate with black.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 78.*
- Rubiginosa*. Black ; antennæ subclavate, yellow at the base : legs yellow : 3. 4. 5. segments of the abdomen ferruginous above.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 79.*
- Subulata*. Black ; antennæ subulate at the tip : 2. 3. 4. 5. segments of the abdomen yellow at the hind-margin : shanks and ends of the legs yellow, the latter annulate with black.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 81.*
- Varia*. Black ; mouth and scutal white : lower-segments of the abdomen and legs ferruginous.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 83.*
- Sanguinolenta*. Black : hind-legs red.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 87.*
- Albata*. Black ; 3 last joints of the antennæ and jaws white : shanks and ends of the legs yellow.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 92.*
- Canescens*. Brown with grey down : wings grey.
Inhabits *Europe*. *Mus. Lesk. p. 54. n. 94, 95.*

- Bifasciata* Brown; thorax black: mouth scutel and 4 spots behind white: abdomen with 2 interrupted yellow bands: margin of the wings and legs pale yellow.
Inhabits Europe. *Mus. Lesh. p. 54 n. 96.*
- Braccata.* Black; thighs rufous, base of the 4 hind-thighs white: 3 last joints but one of the antennæ white.
Inhabits Europe. *Mus. Lesh. p. 54. n. 97.*
- Rufipes.* Black; base of the abdomen with a white spot each side: jaws white: 4 fore-legs rufous.
Inhabits Europe. *Mus. Lesh. p. 55. n. 98.*
- Melano-leuca.* Black; mouth 4 fore-legs and flexure of the hind-thighs yellow.
Inhabits Europe. *Mus. Lesh. p. 55. n. 99.*
- Leucopus.* Black; flexure of the thighs white: 4 fore-shanks without and hind-ones in the middle white.
Inhabits Europe. *Mus. Lesh. p. 55. n. 101.*
- Melanosbra* Black; mouth 4-fore-legs and flexure of the hind-thighs yellow.
Inhabits Europe. *Mus. Lesh. p. 55. n. 100.*
- Varicornis.* Black; legs rufous: 4. 5. joints of the antennæ and base of the hind-shanks white.
Inhabits Europe. *Mus. Lesh. p. 55. n. 103.*
- Obscura.* Brown; rib of the wings as far as the spot and legs testaceous.
Inhabits Europe. *Mus. Lesh. p. 55. n. 104.*
- Limbat.* Black; edges of the abdominal segments and lower-ones entirely white: legs reddish.
Inhabits Europe. *Mus. Lesh. p. 55. n. 105.*
- Exalbida.* Black; feelers and fore-shanks obscure white.
Inhabits Europe. *Mus. Lesh. p. 55. n. 106.*
- Ferruginosa* Black; fore-part of the antennæ ferruginous: base and fore-margin of the wings white: 1, 5. segments of the abdomen and shanks white.
Inhabits Europe. *Mus. Lesh. p. 55. n. 106, b.*

- Angusta.* Black; body narrow covered with grey down.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 107.
- Lutescens.* Black; abdomen beneath and legs reddish-yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 108.
- Albipes.* Black; shanks and ends of the legs white.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 109.
- Flaviventris.* Black; mouth white: abdomen yellow, the back and tip white; legs testaceous.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 110.
- Picea.* Piceous; fore-shanks before and spot at the base of the hind-thighs white; hind-legs rufous, the joints and ends black.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 111.
- Fuscipes.* Black; legs rufous, the hind-ones brown at the end.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 111. b.
- Bimaculata* Pale; eyes base of the abdomen above and 2 spots on the breast black.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 116.
- Lata.* Broad, black; hind-segments of the abdomen white, 2,3,4,5. interrupted.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 115.
- Annulicornis.* Pale; base of the antennæ annulate with black: branched mark on the crown eyes thorax and spots on the back of the abdomen black.
Inhabits *Europe*. *Mus. Lesk.* p. 55. n. 117.
- Scripta.* Piceous; mouth yellow: thorax with a yellow V and spot each side: scutellum yellow with 2 white dots: legs and hind-margin of the abdominal segments beneath yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 118.
- Liturata.* Black; back of the abdominal segments 2,3,4,5. spot each side and edges white: fore-legs and 4 hind-shanks before white.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 120.

Melano-rhoea. Black; abdomen yellow with transverse black spots, tail black.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 121.

Geminata. Black; antennæ doubled: joints and shanks pale.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 121. b.

Ochrogaster. Piceous; abdomen beneath and legs yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 123.

Ruficapilla. Head and thorax rufous, hind-margin of the latter and eyes black: abdomen and legs yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 124.

Dubia. Black; thorax rufous before: joints whitish.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 127.

Pallefcens. Black; mouth and legs pale.
Inhabits *Europe*. *Mus. Lesk.* p. 56. n. 128.

E. *Antennæ filiform, with numerous articulations.*

• *Erythrocephala*. Body blue, head red.
Inhabits *Europe*. *Degeer. Inf.* 2. tab. 40. fig. 19.
Male black: mouth and fore-shanks yellow.

• *Sylvatica*. Body black: thorax with yellow marks: legs yellow.
Inhabits *Europe*.

Nemoralis. Body black; segments of the abdomen white at the sides.
Inhabits *Europe*. *Fn. Suec.* 1562.

• *Cynostati*. Body black; legs ferruginous, the hind-ones annulate with white and black.
Inhabits *Europe*. *Reaum. Inf.* 5. tab. 15. fig. 1—6.

Signata. Body pale; thorax with 3 longitudinal black marks.
Inhabits *Germany*.
Antennæ above brown, beneath pale: head with a black dot: abdomen with a black patch at the base.

• *Populi*. Body blueish black: mouth feelers and shanks yellow.
Inhabits *Europe*, on the Poplar.
Abdomen pale yellow with transverse blackish spots.

Vassa. Head varied white and black: legs testaceous.
Inhabits *Europe*. Scutellum yellow at the sides.

• *Betula*.

- * *Betulæ*. Body red; thorax tail and eyes black: wings brown behind.
Inhabits *Europe*. *Degeer. Inf. 2. tab. 40. fig. 21.*
- Campestris*. Antennæ yellow; body black; abdomen depressed, the 4 first segments rufous: scutel white.
Inhabits *Saxony*; size of the last.
Head black with a yellow dot each side: thorax with a white dot: legs ferruginous, thighs black: upper-wings with a brown spot.
- Pratenfis*. Head and thorax varied with black and yellow: abdomen black edged with ferruginous.
Inhabits *Saxony*.
Antennæ yellow, the first joint black: legs yellow.
- Saluum*. Body black; abdomen pale yellow.
Inhabits *Europe*. Wings black.
- Haemorrhoidalis*. Black; tail and legs testaceous.
Inhabits *Germany*; small.
- * *Flava*. Yellow; wings with a ferruginous spot.
Inhabits *Europe*. *Reaumur Inf. 5. tab. 10. fig. 6—7.*
- * *Arbustorum*. Abdomen rufous in the middle: scutel and dot on the wings white.
Inhabits *England*; size of *T. abietis*.
Head and antennæ black, mouth yellowish: thorax black with a white line before the wings: abdominal segments 3, 4, 5. red: legs rufous: wings hyaline with a marginal black spot and in this a white dot.
- Depressa*. Head and thorax black with yellow marks: abdomen and legs ferruginous.
Inhabits *Austria*. *Schrank. Inf. Aufl. p. 342. n. 691.*
- Linearis*. Black; abdomen filiform with 5 yellow belts: thanks yellow.
Inhabits *Austria*. *Schrank. Inf. Aufl. p. 343. n. 693.*
- Bipunctata*. Antennæ subtestaceous, of 9 joints: body black: scutel with 2 white dots.
Inhabits Woods of *Lusace*. *Lesk. It. p. 51.*

F. Antennæ unknown,

- Intereus*. Black; legs yellow: antennæ subclavate.
Inhabits Europe. *Fn. Suec.* 1569.
- Lonicerae*. Brown, downy: antennæ subclavate: wings subferruginous.
On the *Lonicera*. *Reaum. Inf.* 5. tab. 13 fig. 8—10.
- Polygona*. Black; antennæ subclavate: abdominal segments 3, 5.
yellowish-green at the hind-margin: abdomen linear
compressed: thighs black, 4 fore-ones at the tip and
thanks yellow, hind-ones tipped with black.
Inhabits Europe. *Nus. Lesk. p.* 56. n. 132; b.
- Rumici*. On the *Rumex Lapathi*.
Reaum. Inf. 5. tab. 10, fig. 13, 14.
- Ulmi*. On the *Ulmus campestris*.
Reaum. Inf. 5. tab. 10, fig. 16.
- Pruni*. On the *Prunus Padus*.
Reaum. Inf. 5. tab. 10, fig. 16.

83. **SIREX.** Mouth with a thick horny truncate short denticulate mandible; feelers 4, the hind-ones longer and thicker upwards: antennæ filiform, of more than 24 equal articulations: sting exerted ferrate stiff: abdomen scissile, terminating in a point: wings lanceolate incumbent, the lower-ones shorter. *Tailed-Wasp.*

The larvæ of this genus are 6-footed soft cylindrical, the head rounded; they perforate wood and frequently eat their way into the bowels of other insects and their larvæ, living upon and consuming their vitals: pupa folliculate: the perfect insect lives on the nectar of flowers.

- *Gigas*. Abdomen yellow at the base and tip: body black-blue.
Inhabits Europe. *Donovan vi.* tab. 197. *Sulz. tab.* 18. fig. 114.
Reaum. Inf. 6. tab. 31. fig. 1, 2 *Degeer. i.* tab. 36. fig. 1, 2.
Segments 3, 4, 5, 6. of the abdomen black: scutellum with 2 white dots:
antennæ and legs yellowish.

- Psyllius*. Abdomen yellow at the base and before the tip: body black.
Inhabits Europe; half the size of the last.

Antennæ

Antennae and *legs* yellow, thighs black: *head* black with a yellow spot each side behind the eyes: segments 1, 6, 7: of the *abdomen* yellow.

Columba. Thorax villous ferruginous: abdomen black, the sides spotted with yellow.

Inhabits *America*. *Degeer Inf.* 3. *tab.* 30. *fig.* 13.

Antennae short black, ferruginous at the base: *abdomen* beneath black with yellow streaks, the projection short acute serrate yellow tip with black: *legs* yellow, hind-thighs black.

Magus. Black; thorax villous; tip of the antennæ lateral spots on the abdomen thanks and base of the tarsi white.

Inhabits *Saxony*; size of *S. gigas*.

Abdomen beneath white in the middle: *wings* dusky.

Nigricornis Thorax villous blueish-black: abdomen ferruginous, blue at the base.

Inhabits *North America*.

Head shining blue-black: *antennae* black: *legs* piceous, thighs yellow; *ting* piceous.

Flavicornis Thorax villous black immaculate: 4 bands on the abdomen antennæ and legs yellow.

Inhabits *Labrador*, in *America*.

Head black: segments 1, 2, 7, 8 of the *abdomen* above yellow, the appendage serrate yellow: *ting* black.

Fuscicornis. Thorax villous black: abdomen with 8 yellow bands: antennæ black: legs yellow.

Inhabits *Saxony*; size of *T. gigas*.

Wings subtestaceous: *ting* black with a yellow sheath: horn of the *abdomen* subulate yellow tip with black: *thighs* black.

• *Spectrum*. Abdomen black: thorax villous with a yellow stripe before the wings.

Inhabits *Europe*. *Donovan. vii. tab.* 225.

Antennae black: *legs* yellow, tarsi black.

• *Juvencus* Abdomen blueish-black; thorax villous immaculate.

Inhabits *Europe*. *Degeer. Inf.* 1. *tab.* 36. *fig.* 7.

Antennae black or yellow: *legs* yellow.

Phantoma. Abdomen above yellow with black belts: head and legs yellow.

Inhabits *Germany*. *Schaeff. Icon. tab.* 205. *fig.* 1.

Mouth black: *thorax* yellowish before, beneath black: *abdomen* beneath black.

- Cyanus* Shining blue; legs yellow.
Inhabits *North America*.
Antennæ black; *thorax* subvillous; *wings* hyaline.
- Albicornis* Black; head with a white spot each side: *antennæ* white in the middle.
Inhabits *North America*.
Antennæ black at the tip: *abdomen* with a white dot each side on the last segment but one: *legs* black, *flanks* and ends of the *trifi* white.
- Nigrita*. Black-blue immaculate; hind-legs compressed.
Inhabits *Saxony*; size of *S. mariscus*.
- *Camelus* Abdomen black, the sides spotted with white: *thorax* smooth.
Inhabits *Europe*. *Schæff, Icon. tab. 207. fig. 5. 6.*
- Emarginatus*. Black: *thorax* emarginate before and pale at the sides; fore-legs rufous.
Inhabits *Germany*; size of the last.
Antennæ black: *head* black with a pale spot each side: sides of the *thorax* slightly serrate: 4-fore *legs* rufous, the *flanks* tipped with black: hind-ones black, *thighs* rufous.
- Dromedarius* Abdomen black, rufous in the middle with a white dot each side: *flanks* pale at the base.
Inhabits *Kiel*; resembles *S. camelus*.
Head black with 2 white lines: *thorax* black with a white dot before the wings: segments of the *abdomen* 1, 2, black, 3, 4, 5, 6, 7, rufous, 8, black with a white spot each side: 9 black.
- Pacca*. Abdomen black; the segments 2, 3, rufous, the rest dotted with white.
Inhabits *Kiel*: size of *S. Camelus*.
Antennæ black, a little thicker towards the tip. *thorax* villous black with 2 minute white dots on the fore-margin: horn of the *abdomen* yellowish, *sting* rufous: *legs* compressed black.
- Similis* Black: first segment of the *abdomen* at the base and second rufous; the rest with 5 yellow spots.
Inhabits the *Cape of good hope*.
Head black, orbits yellow: *antennæ* ferruginous, the base and tip black; *thorax* black with a yellow dot each side: *legs* rufous, *thighs* black: *tail* pointed, without the projection.
- Vespertilio* Black; *abdomen* ferruginous, the base black.
Inhabits *Germany*; small.

Antennæ black with a whitish ring; *tail* black beneath, without the appendage; *upper wings* white with a broad brown patch before the tip and white marginal dots: *legs* black, tip of the thighs and base of the shanks white.

Mariscus Abdomen testaceous, the 2 last segments black: thorax villous.

Inhabits *Europe*. *Cyrril. Ent. Neapol. 1. tab. 1. fig. 1.*

Antennæ yellow: *head* with a yellow calous dot behind the eyes: *abdomen* beneath black spotted with yellow: *sting* o. ,

Trogodyta Smooth, black: abdomen with 7 yellow dots and 2 bands.
Inhabits *Saxony*.
Legs yellow, thighs black.

Noctilio. Black-blue: antennæ black; thorax villous: abdomen testaceous in the middle.
Inhabits *Germany*; size of *S. mariscus*.
Thorax blue: *abdomen* blue at the base and tip: *wings* yellowish: *legs* yellow; hind-ones compressed black, the thighs yellow.

Compressus Black; abdomen compressed ferruginous, the first and last segments black.
Inhabits *Barbary*: small.
Legs white, thighs black: hind-ones black, the shanks compressed black with 2 yellow dots and 3 bands.

**Pygmaeus* Abdomen compressed black with 2 yellow dots and 3 bands.
Inhabits *Europe*.
Antennæ nearly as long as the body.

Macilentus Black; abdomen compressed, yellow at the sides.
Inhabits *Barbary*; resembles *S. tabidus*.
Head black with 2 yellow dots between the eyes: *thorax* black with a small yellow dot and a larger one beneath; *abdomen* yellow at the sides and projecting into 2 bands on the back: *wings* hyaline, the rib black beyond the middle: *legs* black fore-thighs yellowish.

**Tabidus*. Black; sides of the abdomen dotted with yellow: fore-shanks testaceous.
Inhabits *England*. In the museum of Sir *Jos. Banks*.
Dody small linear: *antennæ* shorter than the body: *thorax* black with a greenish spot behind: *abdomen* a little compressed, the segments with a yellow dot each side.

84. ICHNEUMON. *Mouth* with a straight horny membranaceous bifid jaw, the tip rounded and ciliate; mandibles curved sharp; lip cylindrical membranaceous at the tip and emarginate: *feelers* 4, unequal filiform, seated in the middle of the lip: *antennae* setaceous, of more than 30 articulations: *sting* exerted, inclosed in a cylindrical sheath composed of 2 valves, and not pungent.

The whole of this singular genus are parasitical, deriving their nourishment from other insects. The fly feeds on the nectar of flowers, and when about to lay her eggs, perforates the body of some other insect or its caterpillar, with its sting or instrument at the end of the abdomen, and there deposits them: this, after being transformed into larvæ, prey upon the intestines of their foster-parent till they are again metamorphosed into pupæ. The *larva* is without feet, soft and cylindrical: *pupa* sometimes naked, sometimes folliculate.

A. *Scutel* white or yellow; *antennæ* annulate with white.

**Sugillatorius*. *Scutel* yellowish; thorax immaculate: abdomen black, 2 of the segments with a white dot each side.

Inhabits *Europe* *Sulz. Hist. Inf. tab. 26. fig. 11.*

Intratorius *Scutel* white; thorax immaculate: 2 of the segments of the abdomen with a yellow band;

Inhabits *Barbary*; large.

Antennæ black, with a whitish ring in the middle: *legs* ferruginous, the joints of the hind-ones black.

**Meliterius* *Scutel* white; thorax immaculate: body deep black; legs blackish.

Inhabits *Europe*.

Pedatorius *Scutel* white; thorax immaculate; body black, legs rufous. Inhabits *Kiel*; less than last.

Antennæ black with a whitish band: *wings* dusky.

Culpatorius *Scutel* yellowish; thorax immaculate: segments of the abdomen 2. 3. fulvous, the rest black.

Inhabits *Europe*.

**Raptorius*.

- **Raptorius* Scutel white; thorax immaculate: segments of the abdomen 2. 3 4 rufous, the rest tip with white.
Inhabits *Europe*. *Donovan* ii. tab. 42.
Last segment of the *abdomen* with a white dot.
- **Sarcitorius*. Scutel white; thorax immaculate: second segment of the abdomen and lower-part of the third ferruginous, the last whitish at the tip.
Inhabits *Europe*. *Sulz. Hist. Inf. tab. 18. fig. 13.*
- Airatorius* Scutel white; thorax immaculate: 3 last segments of the abdomen edged with white: legs rufous.
Inhabits *Germany*.
Antennae black with a broad white band in the middle.
- **Crispatorius*. Scutel white; thorax immaculate: abdomen pale yellow tip with black.
Inhabits *Europe*.
- **Extensorius*. Scutel yellowish; thorax immaculate; second and third segments of the abdomen ferruginous, the last tip with black.
Inhabits *Europe*. *Schaeff. Icon. tab. 43. fig. 1. 2.*
- Armatorius*. Scutel white; thorax immaculate, toothed each side behind: abdomen and legs ferruginous.
Inhabits *Kiel*. *Head* and *thorax* black.
- Notatorius* Scutel white; thorax immaculate: abdomen red, the 3 last segments black, tail with a white dot.
Inhabits *Germany*; small.
- Defructorius*. Scutel white; thorax rufous: abdomen black, the second segment rufous, the rest tip with white.
Inhabits *Zealand*; small.
Head black, mouth and orbits white: fore-margin of the *thorax* and *scutel* yellow: *abdomen* petiolate: legs yellow, the hind-ones black.
- Signatorius* Scutel white; thorax rufous: abdomen black, tail white.
Inhabits *Germany*; small.
Thorax with 3 impressed short lines before and a white dot before the wings: legs black.
- **Saturatorius*. Scutel white; thorax immaculate: abdomen black tip with white.
Inhabits *Europe*. *Schaeff. Icon. tab. 61. fig. 4.*

Glaucatorius. Scutel white; thorax with a white dot: body black: 2 last segments of the abdomen glaucous at the margin, the first interrupted.

Inhabits *Saxony*.

Antennae black, ferruginous in the middle: *abdomen* petiolate: *legs* rufous.

Grossorius. Scutel white; thorax spotted: second and third segments of the abdomen rufous, the lower-ones tipped with white.

Inhabits *Zealand*. very large.

Head black: *thorax* with a white dot: *legs* black, spot at the base of the thighs and base of the shanks white.

Quaestorius. Scutel yellowish; thorax spotted: 3 last segments of the abdomen with a white dorsal spot.

Inhabits *Europe*.

Hind margin of the second segment a little ferruginous.

Nutatorius. Scutel yellow; thorax spotted: abdomen black, the segments edged with white: legs rufous, white at the ends.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Head white with a black frontal line: *antennae* black, white in the middle, the first joint yellow: *thorax* black with 2 dots before, a single one and line under the wings: *scutel* and 4 spots under it all white.

Olitorius. Scutel white; thorax spotted: abdomen rufous, the last segment black with a white dot.

Inhabits *Germany*; resembles *T. molitorius*.

Legs rufous, hind-shanks black.

Albatorius. Scutel yellowish; thorax spotted: edges of the abdominal segments and tail white: legs rufous.

Inhabits *India*.

Lip white with a spear-shaped black spot: *thorax* black with an oblique white line each side under the wings and 2 yellow ones under it: *abdomen* black, the first segments with 2 white dots, the rest edged with white, the 2 last entirely white.

Porrectorius. Scutel yellow; thorax spotted: abdomen black, the segments 2. 3. 4. rufous at the top and edged with white.

Inhabits *Kiel*; small.

Head black, lip orbits and dot under the antennae yellow; *thorax* black with a yellow line each side under the wings double dot

beneath

beneath and large spot : *abdomen* retiolate incurved : *legs* rufous, white at the base ; hind-tarsi black, white before the tip.

Irroratorius. Scutel yellowish ; thorax spotted : body black ; first segment of the abdomen with a white dot, the rest edged with white.

Inhabits *America* : small.

Head black, front and orbits white : *thorax* black spotted with white : *sting* as long as the body with a short spine beneath it : *legs* white, thighs and hind-shanks black.

Oratorius. Scutel white ; thorax spotted ; body black : first and second segments of the abdomen edged with white, the seventh entirely white.

Inhabits *Germany* : large.

Head black : *lip* yellow : fore-margin of the *thorax* and line under the *wings* white : *legs* black, fore-shanks white, hind-ones with a white ring.

Infractorius. Scutel yellow ; thorax spotted : segments of the abdomen edged with yellow ; legs yellow, thighs black.

Inhabits *Europe*

Antennae convolute, annulate with white within the middle, the first joint beneath yellow : *thorax* black with a white line before and dot under the wings : *abdomen* black with 5 yellow bands.

**Anbulatorius*. Scutel yellowish ; thorax spotted : second segment of the abdomen ferruginous, the rest edged with white.

Inhabits *England*. In the museum of Sir *Jos. Banks*.

Head black : *antennae* yellow beyond the middle : *thorax* black with a yellow line before and dot under the wings : segments of the *abdomen* 3, 4, 5, edged with white : *legs* rufous.

Precatorius. Scutel yellowish ; thorax spotted : body black : all the segments of the abdomen white at the margin ; legs rufous.

Inhabits *Saxony* : small : *Front* whitish : *thorax* black, the sides reddish with 4 yellow dots : first segment of the *abdomen* a little reddish at the sides : *hind-shanks* white at the base.

Seducatorius. Scutel yellowish ; thorax spotted : abdomen with 2 yellow bands and tip

Inhabits *France* ; large.

Head black with yellow orbits and spot under the antennæ: *thorax* black with 2 yellow dots on the fore-margin and callous dot before the wings: *abdomen* petiolate black: *legs* yellow, the joints ferruginous.

Obsoletorius Scutel white: *thorax* spotted: second and third segments of the abdomen with an obsolete rufous spot each side.

Inhabits *Kiel*; size of *I. molitorius*.

Thorax black with a yellow dot each side under the wings: *legs* black, shanks white at the base.

• *Pisorius* Scutel white; *thorax* with a white line each side: abdomen testaceous with a black petiole.

Inhabits *Europe*. *Schaeff Icon. tab. 6. fig. 12.*

Head black, orbits white: *thorax* black with a white marginal line and dot under the wings: *legs* testaceous: *thighs* black.

Expectoratus Scutel white; *thorax* spotted: body black abdomen rufous, the first segment black.

Inhabits *Italy*. *Fabric. Append. iv. p. 455.*

Head black, mandibles rufous tip with black: *thorax* with 2 white dots: *legs* rufous, thighs black.

Affertorius Scutel and line under it white: *thorax* spotted; abdomen and legs ferruginous.

Inhabits *Germany*; small.

Head black, orbits white: *thorax* with a white line each side: *legs* black, the hind-ones white before the tip.

Ferrugatorius Scutel rufous; tip of the *thorax* rufous at the sides: body black, tail white: head with 2 white dots.

Inhabits *Guinea*.

Four fore-legs subferruginous, the hind-ones black.

Constrictorius Scutel yellowish; *thorax* 2-toothed spotted: second segment of the abdomen ferruginous.

Inhabits *Europe*. *Fn. Suec. 1585.*

Hemasopus Black; legs rufous: sting very short: abdomen subcompress-
ed and gradually dilated.

Inhabits *Bavaria*. *Schranck. Reis. p. 260.*

Umbellatorum Black; legs tawny; second and third segments of the abdomen and upper-part of the fourth chestnut: antennæ paler at the base.

Inhabits *Bavaria*. *Schranck. Reis. p. 261.*

- Pictus*. Scutel yellowish ; antennæ ferruginous, black in the middle: 2 segments of the abdomen fulvous, the rest tipped with white.
Inhabits *Austria*. *Schrank. Inf. Aust. p. 348. n. 702.*
- Tyrannus*. Scutel whitish ; most of the segments of the abdomen edged with white: legs testaceous.
Inhabits *Austria*. *Schrank. Inf. Aust. p. 347. n. 701.*
Body black with a white line each side under the wings and before the eyes: joints of the legs white.
- Bimaculatus*. Scutel yellowish: body black: 2 last segments of the abdomen with a clay-colour spot above.
Inhabits *Austria*. *Schrank. Inf. Aust. p. 347. n. 708.*
- Ferrugineus*. Dark ferruginous; scutel fulvous; thorax with fulvous spots; eyes and tip of the abdomen black.
Inhabits *Austria*. *Schrank. Inf. Aust. p. 345. n. 697.*
- *Primarius*. Black; scutel yellowish; thorax spotted: second and third segments of the abdomen ferruginous, the last white spotted.
Inhabits *England*. *Forst. Nov. Inf. 1. p. 81.*
- *Xanthorius*. Black; scutel yellow: antennæ with a yellow ring: thorax spotted: abdomen petiolate, annulate with yellow: legs yellow, thighs black.
Inhabits *England*. *Forst. Nov. Inf. 1. p. 83.*
- Seductor*. Black; scutel yellow; tip and petiole of the abdomen and crenate band on the fore-part yellow: legs mostly yellow.
Inhabits *Parva*. *Scopoli: Del. Inf. tab. 23 fig. 1.*
Forms a nest of cemented clay, in chimneys and windows, divided into cylindrical cells, in each of which is contained a cylindrical brown lucid follicle, and in this the larva, with frequently the carcase of a spider in which the insect had deposited her eggs.
- Lineolatus*. Abdomen and legs ferruginous: thorax spotted with a white line each side towards the wings and another under the wings.
Inhabits *Europe*. *Mus. Lesk. p. 57. n. 140.*
- Melanogaster*. Scutel yellowish: abdomen black, the first segment with a ferruginous line each side: thighs ferruginous.
Inhabits *Europe*. *Mus. Lesk. p. 57. n. 143.*

Multicolor.

- Multicolor* Black ; head and thorax spotted : antennæ ferruginous at the base and tip with brown : legs rufous.
Inhabits Europe. *Mus. Lesk. p. 57. n. 144.*
- Dealbatus* Black ; petiole of the abdomen and segments 1, 5, 6, 7, white ; shanks white, the hind ones tipped with black.
Inhabits Europe. *Mus. Lesk. p. 57. n. 145.*
Shanks sometimes all black at the base and tip.
- Leucomelas* Black ; scutellum yellowish : inner margin of the eyes and tip of the abdomen white ; shanks grey-ferruginous.
Inhabits Europe. *Mus. Lesk. p. 57. n. 146.*
- Trilineatus* Black ; crown and double line on the scutellum white : legs rufous, the ends of the hind ones brown.
Inhabits Europe. *Mus. Lesk. p. 57. n. 148.*
- Brachycambus.* Black ; head and thorax spotted : line on the scutellum and tip of the abdomen white : wing very short : shanks brown, whitish at the base
Inhabits Europe. *Mus. Lesk. p. 57. n. 150.*
- Ocropsis* Black ; scutellum yellowish : antennæ yellow at the base : front yellow : legs rufous.
Inhabits Europe, *Mus. Lesk. p. 57. n. 151.*
- Sanguinolentus.* Thorax spotted : scutellum yellow ; orbits and ends of the legs white : abdomen and hind-legs red, the joints and short wing black.
Inhabits Europe. *Mus. Lesk. p. 57. n. 152.*
- Leucostictus* Base of the thorax and dot under the wings and orbits white : abdomen ferruginous ; legs rufous.
Inhabits Europe. *Mus. Lesk. p. 57. n. 153.*
- Biscurtatus* Black ; double scutellum yellow : thorax with a white dot before and under the wings : 2 last segments of the abdomen white : legs red.
Inhabits Europe. *Mus. Lesk. p. 58. n. 154.*
- Agrestorius* Scutellum yellow ; thorax spotted : abdomen black, hind margin of the segments and legs ferruginous.
Inhabits Oranien. *Ich. Soc. 1787. 4. 2. n. 32.*
Fore-part of the head and tail ferruginous.

B. Scutel white or yellow ; antennæ entirely black.

Equitatorius. Black ; scutel whitish ; incisures of the abdomen black, the segments 2, 3, 4, and legs yellow.

Kret. Penzer von der Baumt. Nadorf. tab. 3.

In the pupæ of the *Phalana piniperda*.

**Dimicatorius*. Black ; scutel yellow : antennæ beneath rufous : thorax with a spine each side : abdomen with 2 yellow belts and tail

Inhabits England. Forst. Nov. Inf. p. 82.

**Luctatorius*. Scutel white ; thorax spotted : second and third segments of the abdomen pale yellow.

Inhabits Europe and New Zealand.

Thorax reticulate under the scutel.

Lotatorius. Scutel yellowish ; thorax spotted : second segment of the abdomen rufous.

Inhabits New Zealand. In the Museum of Sir Jos. Banks.

Thorax black with a yellow dot under the wings : abdomen black : legs rufous.

**Negatorius*. Scutel white ; thorax spotted : second and third segments of the abdomen entirely, the rest edged with ferruginous.

Inhabits England. In the museum of Sir Jos. Banks.

Head black : thorax black with a yellow dot under the wings : second segment of the abdomen with a black spot : legs yellow hind tings black.

Lactoratorius. Scutel white : thorax spotted : second and third segments of the abdomen rufous, all edged with yellow.

Inhabits Kurl; size of *J. metatorius*.

Head black, front yellow : thorax black with a yellow line before and one under the wings : abdomen black : legs rufous, hind tings black.

Oscilatorius. Black ; scutel yellowish : second segment of the abdomen at the base, third entirely, the rest edged with yellow.

Inhabits Saxony.

First joint of the antennæ yellow beneath : head black, yellow under the antennæ : thorax with a yellow line before the wings and dot under them : legs yellow.

Osculatorius. Black ; scutel white ; thorax spotted : segments of the abdomen 2, 3, 4, rufous with a black band.

Inhabits Kurl.

Head black, mouth yellow: *thorax* with a yellow line before the wings: *legs* rufous, hind tarfi black.

* *Fasciatorius*. Scutel white; thorax spotted: abdomen black, base of the second segment and third and sixth entirely yellow.

Inhabits *England*; size of *I. luctatorius*.

Head black, yellow under the antennæ: antennæ above black, beneath yellow: *thorax* black, 2-toothed before with a yellow dot before and under the wings: *legs* yellow, the 4 fore-ones with a black spot on the thighs; hind-thighs and shanks tipped with black.

Nugatorius Black; scutel white; thorax spotted: abdomen rufous, the first segment black.

Inhabits *Italy*. *Fabric. iv. Append. p. 455.*

Antennæ rufous beneath: head black, orbits and band on the lip yellow: *thorax* black with a white dot under the wings: *legs* ferruginous, thighs black.

Volutatorius Scutel yellowish; thorax spotted: all the segments of the abdomen edged with yellow.

Inhabits *Northern Europe*

Thorax with a yellow line under the wings and 2 dots under the scutel: antennæ yellow beneath.

Mercatorius Scutel yellowish: thorax spotted: base of the second and third segments of the abdomen and tip of the others yellow.

Inhabits *Italy*: size of the last.

Antennæ dark ferruginous: head black, orbits and lip yellow: *thorax* black with a yellowish callous dot before the wings: abdomen petiolate black: *legs* yellowish, hind-thighs black: wings a little yellowish.

Vaginatorius. Scutel white; thorax spotted: abdomen black with 5 white bands, the third interrupted.

Inhabits *Northern Europe*.

First segment of the abdomen with 2 white dots.

* *Annulatus*. Scutel yellowish; thorax spotted; 4 first segments of the abdomen edged with yellow: wings hyaline.

Inhabits *England*. In the museum of *Sir. Jos. Banks*.

Head black, front yellow; antennæ above black, beneath yellow: *thorax* with a yellow line before the wings, dot under them and 2 spots under the scutel: *legs* ferruginous, hind-thighs and shanks tipped with black.

Maculatorius.

*Maculator-
ius.* Black spotted with yellow; scutel yellowish: abdomen cylindrical, the 4 first segments edged with yellow: wings brown at the tip.

Inhabits Saxony.

Head black, mouth and orbits yellow: *thorax* with yellow: *abdomen* beneath reddish: *legs* yellow, hind-thigh black.

Necatorius. Black; scutel 2-toothed edged with yellow: segments of the abdomen edged with yellow.

Inhabits Germany.

Head black with a yellow ring on the front and 3-toothed behind. *thorax* with a yellow dot before the wings: second segment of the abdomen with a yellow dot each side: *legs* ferruginous, hind-thighs black.

*Frontator-
ius.* Scutel yellow; thorax spotted: front and base of the thighs white.

Inhabits Zealand.

Antennae black, the first joint white beneath: *thorax* with a small white dot before the wings: *abdomen* black immaculate: 4 fore *legs* rufous, the thighs white at the base; hind-ones black, the thighs and shanks white at the base.

Bidentorius Scutel yellow; thorax spotted: second and third segments of the abdomen yellow at the base: legs rufous.

Inhabits Northern Europe.

Head black, front yellow: *thorax* black with a yellow dot under the wings. *Thorax* sometimes 2-toothed, sometimes unarmed.

*Margina-
torius.* Scutel yellow; thorax spotted: 2 first segments of the abdomen with a yellow band, the rest edged with yellow.

Inhabits Kiel.

Head black, front yellow: *antennae* above black, beneath yellow: *thorax* black with yellow lines and dots: *legs* yellow, thighs black:

* *Persua-
sorius.* Scutel white; thorax spotted: all the segments of the abdomen with 2 white dots each side.

Inhabits Europe. Schaeff. Icon. tab. 30. fig. 2.

*Liturator-
ius.* Scutel yellowish; thorax spotted: abdomen black, 4 of the segments yellow in the middle: legs ferruginous.

Inhabits Europe. Fn. Suec. 1594.

Vagatorius.

- Vagatorius*. Scutel yellowish; thorax spotted: abdomen cylindrical the segments notched at the edge, with a yellow mark.
 Inhabits *Saxony*; larger than *I. persuratorius*.
Head black, ferruginous behind the eyes: *thorax* black with a yellowish fore-lobe large dot and 2 dorsal lines, under the scutel a yellowish line: *wings* half as long as the abdomen, hyaline with a yellowish spot: *legs* ferruginous.
- * *Designatorius*. Scutel yellowish; thorax spotted: abdomen black, the 3 first segments with a white dot each side.
 Inhabits *Northern Europe*.
- * *Edictorius*. Scutel yellowish; thorax spotted, with 2 dots each side: abdomen entirely black.
 Inhabits *Northern Europe*.
- Dubitorius*. Scutel yellowish; thorax spotted: abdomen yellow tip with black: wings with a brown band.
 Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Antennae and *head* black: *thorax* with a yellow border: 2 last segments of the *abdomen* black: *legs* yellow; hind-ones black, base of the *shanks* yellowish.
- Lætorius*. Black; scutel white; thorax spotted: abdomen rufous tip with black: hind-shanks with a white ring.
 Inhabits *Germany*; small.
Head black, orbits white: *thorax* with 2 white dots under the wings and one under the scutel: *legs* rufous.
- Flavatorius*. Fulvous; scutel white: antennæ and last segments of the abdomen black.
 Inhabits *Italy*. *Fabricius*. iv. *Append* p. 456.
Head fulvous, eyes and stemmata black: *thorax* fulvous with sometimes a black patch on the back: *legs* fulvous, hind-thighs tip with black.
- * *Fugorius*. Scutel yellowish; thorax spotted: abdomen pale yellow.
 Inhabits *Europe*.
- Melioratorius*. Scutel yellowish; thorax spotted: abdomen black, edges of the segments head and legs ferruginous.
 Inhabits *Orabette*. In the museum of Sir *Jos. Banks*.
Antennae black: *thorax* black with ferruginous spots.
- * *Lutorius*. Scutel yellowish; thorax with 4 yellow lines: whole abdomen and legs pale yellow.

Inhabits *Italy*.

Head yellow, crown black: antennae black, yellow at the base.

- * *Deliratorius*. Scutel yellowish; thorax spotted, with 3 dots each side: abdomen black: flanks white.

Inhabits *Europe*.

- Falcatorius* Scutel yellowish; thorax variegated: abdomen subfalcate, ferruginous at the base and tip with black.

Inhabits *Germany*.

Antennae black, beneath yellow: head black, yellow under the antennae with a black line in the middle and 2 dots: thorax varied with black and yellow: legs yellow.

- Sponsorius*. Scutel white; thorax immaculate: abdomen testaceous, the base black and tip yellow.

Inhabits *Germany*; small.

Head black, mouth yellow: legs yellow.

- Sollicitorius* Scutel yellow; thorax immaculate: 3 first segments of the abdomen rufous.

Inhabits *New Zealand*. Museum of Sir *Jos. Banks*.

Antennae black: head black, front yellow: legs rufous.

- Nuptatorius* Scutel white; thorax immaculate: abdomen rufous tipped with black, the tail white.

Inhabits *Zealand*.

Antennae black: head black, orbits white: petiole of the abdomen black: legs black.

- * *Segmentorius*. Scutel yellowish; thorax immaculate: abdomen black, the segments 2, 3, 4 rufous.

Inhabits *Kiel*.

Head black, front whitish: legs rufous, hind thighs black.

- * *Fossorius*. Scutel yellowish; thorax immaculate: abdomen black, legs rufous.

Inhabits *Europe*. Head black, mandibles rufous.

- Punctorius*. Scutel yellow; thorax immaculate: abdomen black, the first and second segments rufous, the third with a white dot each side.

Inhabits *Saxony*.

Head black, orbits silvery: upper-wings with a brown band.

- **Cinctorius* Scutel white; thorax immaculate: abdomen black with a white band at the tail.

Inhabits *England*.

Antennæ black, piceous at the base: *head* and *thorax* black: *legs* ferruginous.

- Decoratorius*. Ferruginous; scutel yellow; last segment of the abdomen with a black band.

Inhabits *New Zealand*. Museum of Sir *Jos. Banks*.

Antennæ black: *wings* hyaline yellowish.

- Cirrhogaster*. Black; scutel yellowish: abdomen petiolate and with the legs rufous.

Inhabits *France*. *Geoffr. Inf. par. 2. p. 330*.

- Superbus*. Scutel yellow: segments of the abdomen with a yellow spot each side.

Inhabits *France*. *Geoffr. Inf. par. 2. p. 335*.

- Tricolor*. Black; scutel yellowish: abdomen subpetiolate: thighs rufous, *shanks* whitish.

Inhabits *Austria*. *Schranck. Inf. Aust. p. 351. n. 708*.

- Dichrous*. Black; scutel yellowish; thorax spotted: abdomen sessile ovate fulvous tipped with black.

Inhabits *Austria*. *Schranck. Inf. Aust. p. 352. n. 710*.

- Brachyurus* Fulvous; scutel fulvous: thorax and eyes black: abdomen linear, black at the base.

Inhabits *Austria*. *Schranck. Inf. Aust. p. 352. n. 711*.

Head and *abdomen* testaceous: *legs* yellow.

- Rufipes*. Black; scutel yellowish: legs rufous, tip of the hind-shanks and ends of the legs brown.

Inhabits *Europe*. *Mus. Lesk. p. 58. n. 158*.

- Trichrous*. Black; thorax with a white line under the wings: legs rufous, ends of the hind-ones black.

Inhabits *Europe*. *Mus. Lesk. p. 58. n. 159*.

- Ochromelas*. Scutel yellowish; line on the front and dot before and under the wings yellow: thighs black: tip of the 4 fore-ones and *shanks* pale yellow, the hind-ones tipped with black.

Inhabits Europe. *Mus. Lesk. p. 58. n. 160.*

Antennae above black, the segments 4, 5, 6. with a white spot, 1, 2. ferruginous.

Flavatus. Scutel yellow; front yellow; black in the middle: antennæ brown, beneath ferruginous; thorax with a white spot before and under the wings: legs rufous.

Inhabits Europe. *Mus. Lesk. p. 58. n. 161.*

Abdominal segments 1, 2, 3. yellow at the hind-margin and cut in the middle, 5, 6, 7. whitish.

Auratus. Black; base of the antennæ front mouth and shanks yellow: 2 first segments of the abdomen yellowish.

Inhabits Europe. *Mus. Lesk. p. 58. n. 163. b.*

Fuscatus. Blackish; scutel shanks and ends of the legs yellowish: thorax spotted: orbits yellow: thighs brown.

Inhabits Europe. *Mus. Lesk. p. 58. n. 164.*

Tip of the hind shanks obliquely brown.

Rufatus. Black; scutel yellow with a rufous line behind: antennæ feelers and legs rufous; hind-shanks and base of the tarsi white.

Inhabits Europe. *Mus. Lesk. p. 59. n. 165.*

Fuscicornis. Black; front and scutel yellow: legs rufous, joints of the hind-ones and tip of the shanks behind black.

Inhabits Europe. *Mus. Lesk. p. 59. n. 166.*

Antennae brown, ferruginous at the base beneath.

Fuscipes. Black; thorax with a white line each side before the wings and dot under them: legs brown, 3 hind-shanks with a white ring.

Inhabits Europe. *Mus. Lesk. p. 59. n. 168.*

Strigofus. Black; scutel with 2 yellow transverse lines: petiole of the abdomen and 2 first segments yellow: tip of the fore-thighs and shanks yellow.

Inhabits Europe. *Mus. Lesk. p. 59. n. 169.*

Upper-wings with a white spot at the base: first segment of the abdomen with a black dot: hind-shanks tip with black.

Tripunctatus. Scutel, petiole of the abdomen and most of the segments yellow: thorax with 3 yellow dots each side: front ferruginous: legs rufous.

Inhabits Europe. *Mus. Lesk. p. 59. n. 170.*

Antennae reddish-yellow, the back brown, the base yellow before: front with a black line and dot each side: tip of the *stigma*s and of the hind-thanks black.

Bidentatus Black; scutell yellow; thorax 2-toothed, yellow behind: 2 first segments of the abdomen ferruginous.
Inhabits *Europe*. *N. u. L.* p. 59. n. 171.
Four *fore-legs* reddish-brown, the rest black.

Geminus. Black; scutell yellow with a double elevation: orbits mouth and thanks yellow; legs rufous.
Inhabits *Europe*. *M. u. L.* p. 59. n. 174.
Thorax spotted: *hind-thanks* tip with black.

C. Scutell the colour of the thorax: *antennae* annulate.

Nigrator. Black; thorax with 2 white dots: legs rufous thighs black.
Inhabits *Kiel*.
Antennae black with a broad white band: *abdomen* immaculate: wings dusky.

Reluctator. Black; abdomen piceous in the middle: *fore-thanks* clavate.
Inhabits *Northern Europe*.

Oburgator Black; head and fore-part of the thorax ferruginous: wings blue, upper-pair with a hyaline dot
Antennae black annulate with white: *abdomen* petiolate: *fore-legs* piceous; hind-ones black the thanks with a white ring at the base.

**Comitator* Entirely black: *antennae* with a white band.
Inhabits *Europe*. - *Kearns. Inf.* 6. tab. 29. fig. 1-4.

Annulator. Black; legs rufous, thanks annulate with white.
Inhabits *Saxony*.
Antennae black annulate with white.

Zonator. Black; abdomen ovate rufous: legs rufous, the hind-ones white before the tip.
Inhabits *Italy*; resembles the last.

Clavator. Black: legs rufous, the hind-ones tip with white; abdomen compressed clavate.
Inhabits *Kiel*.
Antennae black with a broad white band: *abdomen* petiolate.

Vigilator.

- Vigilator*. Black ; fifth segment of the abdomen edged with white : upper-wings tipt with black.
Inhabits *Africa*. Museum of Sir *Jos. Banks*.
Antennae black with a white band : *legs* black.
- Restaurator* Black : abdomen with a white streak : legs ferruginous.
Inhabits *Germany* ; small.
Antennae as long as the body, black with a white ring in the middle : *sting* short black.
- Caudator*. Black ; abdomen clavate with 3 pale bands : thighs rufous.
Inhabits *New Holland*. Museum of Sir. *Jos. Banks*.
Antennae black with a white ring : *sting* rufous with a single bristle and 2 short white recurved horns tipt with black.
- Debellator* Black : 4 middle segments of the abdomen rufous : thighs black clavate.
Inhabits *Sweden* ; large.
Antennae yellowish at the base : first and last segment of the abdomen black.
- Irrigator*. Black ; abdomen ferruginous tipt with black ; upper-wings with a black spot in which is a white dot.
Inhabits *Saxony* ; large.
Antennae black with a white band : *legs* picceous.
- Migrator*. Black ; abdomen ferruginous tipt with black : shanks white.
Inhabits *Europe*.
- Sputator*. Black ; thorax immaculate : second and third segments of the abdomen rufous.
Inhabits *Germany*.
Legs rufous, thighs black.
- Dimidiator* Black ; hind-part of the thorax and fore-part of the abdomen ferruginous.
Inhabits *Germany*.
Antennae black, rufous at the base and annulate with white in the middle : hind-part of the thorax and *scutellum* ferruginous : *legs* rufous, the hind-ones tipt with black.
- Abbreviator*. Black : abdomen very short clavate rufous, the tip black truncate.
Inhabits *Saxony*.
Antennae black with a white band : abdomen with a long petiole : *legs* rufous, hind-shanks black.

Sponsor. Black: thorax immaculate: abdomen black: legs rufous, the hind-tarsi black.
Inhabits Germany.

Profligator. Black; abdomen ferruginous with a black petiole: legs rufous.
Inhabits Europe; small.
Antennae black, ferruginous in the middle, *hind-legs* varied with black.

**Peregrinator.* Black: subclavate legs and abdomen ferruginous, the 2 last segments black, tail whitish.
Inhabits Europe. *Fn. Suec.* 1601.

**Incubator* Black: abdomen ferruginous, the tip black with a white spot: wings hyaline; antennæ fasciate.
Inhabits Europe. *Geoffr. Inf.* 2. tab. 16. fig. 1.

Instructor. Ferruginous; head breast and tips of the abdomen and wings black.
Inhabits Barbary; large.
Antennae ferruginous at the base, the middle annulate with white, the tip brown: *thorax* above rufous beneath black: *abdomen* pectinate, the segments 1, 2, 3. ferruginous: *wings* yellowish: *legs* rufous, hind-thighs black.

Exhortator Ferruginous: head and tip of the abdomen black, the tail white.
Inhabits Kiel.
Antennae black annulate with white, the base ferruginous: *legs* ferruginous, the joints black: *wings* white with a marginal black dot.

Ferrugator Ferruginous: antennæ tip with black.
Inhabits shores of America.
Breast sometimes black at the sides.

Abbreviatus. Black; abdomen rufous, the tip black with a white streak: wings very short.
Inhabits Kiel; on old Walls,
Antennae rufous at the base within the middle and tip with black: *legs* rufous, hind-thighs tip with black.

Semiannulatus. Black; abdomen petiolate, the second and third segments rufous: antennæ with a divided band.
Inhabits Austria. *Schrank. Inf. Aufl.* p. 353. n. 713.

- Viator.* Black ; legs entirely fulvous.
Inhabits *France*. *Geoffr. Inf. par. 2. p. 340.*
- Cotburnatus* Black ; middle of the abdomen and legs rufous, hind-tarsi white.
Inhabits *Austria*. *Schranck. Inf. Auf. p. 355. n. 716.*
- **Obscura.* Entirely black ; legs rufous, the ends of the hind-ones tipped with white.
Inhabits *England*. *Forst. Nov. Inf. p. 84.*
- Flavipes.* Yellow ; spot on the crown and eyes black : third segment of the abdomen behind and lower-ones piceous.
Inhabits *Europe*. *Mus. Lesk. p. 50. n. 175.*
Antennae brown annulate with white : *thorax* spotted with brown.
- Obsoletus.* Black ; 2 segments of the abdomen with a white dot : legs rufous tip of the hind-shanks black.
Inhabits *Europe*. *Mus. Lesk. p. 59. n. 177.*
- Hæmatostoma.* Black ; mouth and legs rufous ; last segment of the abdomen but one with a ferruginous spot beneath.
Inhabits *Europe*. *Mus. Lesk. p. 60. n. 178.*
- Ocbropus* Black ; legs, except the hind-shanks yellow.
Inhabits *Europe*. *Mus. Lesk. p. 60. n. 178. b.*
- Melanocephalus.* Head and conic abdomen black the latter spotted with white : orbits and crown white : thorax and legs rufous.
Inhabits *Europe*. *Mus. Lesk. p. 60. n. 178. c.*
Base of the wings and margin of the scutellum black : petiole of the abdomen with a white dot each side.
- Macrourus* Black ; legs rufous, metatarsi white ; hind-shanks tarsi and band on the upper-wings brown : sting twice as long as the abdomen.
Inhabits *Europe*. *Mus. Lesk. p. 6. n. 179.*
- Depressus.* Black : abdomen depressed : legs rufous.
Inhabits *Europe*. *Mus. Lesk. p. 60. n. 180.*
- Ferruginosus.* Black ; 4-fore-thighs above and shanks ferruginous.
Inhabits *Europe*. *Mus. Lesk. p. 60. n. 182.*

- Ocreatus*. Black ; legs rufous, hind-shanks brown : sting as long as the abdomen.
Inhabits *Europe*. *Mus. Lesk* p. 60. n. 183.
- Discolor*. Black ; first pair of legs whitish, second whitish-brown, third brown.
Inhabits *Europe*. *Mus. Lesk* p. 60. n. 184.
- Clavipes*. Black ; legs rufous : shanks clavate, white in the middle on the outside.
Inhabits *Europe*. *Mus. Lesk* p. 60. n. 185.
- Digitatus*. Black ; legs rufous, claws brown : sting shorter than the abdomen.
Inhabits *Europe*. *Mus. Lesk* p. 60. n. 188.
- Atratus*. Black ; abdomen ferruginous, the 4 last segments black : legs rufous ; antennæ ferruginous with a brown ring, the tip black.
Inhabits *Europe*. *Mus. Lesk* p. 60. n. 189.
- Curtus*. Black ; legs testaceous, end of the tail white.
Inhabits *Austria*. *Schranck. Inf. Aust.* p. 355. n. 717.
- Fischeri*. Black ; base of the antennæ shanks tarsi and abdomen except the petiole and tip rufous : thighs clavate,
Inhabits *Austria*. *Schranck. Inf. Aust.* p. 356. n. 718.

D. Scutel the colour of the thorax : antennæ black.

- Itinerator*. Pale yellow ; crown and wings black.
Inhabits *Guinea* ; size of I. desertor.
Wings black, upper pair with a faint white lunule in the middle : legs yellow, hind-tarsi black.
- Pennator*. Pale yellow ; antennæ and wings black.
Inhabits *Georgia* ; large. Legs yellow.
- **Desertor*. Pale yellow ; wings brown with a white band.
Inhabits *Europe*. *Schaeff. Icon. tab.* 20. fig. 2. 3.
- Nominator*. Pale yellow spotted with black ; wings brown with a white lunule.
Inhabits *France* ; size of I. desertor.
Head with a large black frontal spot : thorax spotted with black : segments of the abdomen 1, 2, with a black spot, the last with 2.

Purgator.

Purgator. Pale yellow ; antennæ and sting black : wings hyaline with 2 brown bands.

Inhabits *France*.

Sting as long as the abdomen.

Fasidiator Scarlet ; wings brown, upper-pair with a scarlet marginal spot.

Inhabits *Africa*. In the museum of Sir. *Jos Banks*.

Head red, crown black : legs scarlet.

Ariculator. Thorax 2-spined rufous ; abdomen black with 4 white streaks.

Inhabits *America*. *Degeer. Inf. 3. tab. 30. fig. 16.*

Thorax with 2 small erect white spines behind : wings brown : legs ferruginous.

Proficiscator Pale yellow ; upper-wings with a brown band at the tip : antennæ black.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Head black, eyes large yellow : wings yellow : legs yellow, the ends of the hind-ones brown.

Hospitator. Pale yellow ; upper-wings with a brown band and tip : antennæ and tail black.

Inhabits *New Holland*. In the Museum of Sir *Jos. Banks*.

Two last segments of the abdomen black.

Ornator. Pale yellow ; upper-wings with a black band and tip : head tail and hind-thighs black.

Inhabits *Cayennæ*.

Wings yellowish, lower-pair hyaline at the tip.

Pedator. Pale yellow ; segments of the abdomen with a black dot each side ; antennæ and sting black.

In abits *India*. *I. punctatus. Lin. Syst. Nat.*

Head yellow, crown black ; thorax yellow with 5 black dots : segments of the abdomen 6. 7. immaculate : legs yellow, hind-joints with a black dot.

Denunciator Rufous : head and tip of the abdomen black ; wings black, upper-pair with a white spot in the middle.

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

Head black, mouth rufous : abdomen striate.

Nominator Pale yellow : second and third segments of the abdomen with a brown spot, the rest black : all the wings with a brown band and tip.

Inhabits *Cayenne*.

Legs yellow, the hind-ones black ; thighs and shanks black at the base.

Antennator. Pale yellow : crown back of the thorax tail and tip of the wings black.

Inhabits *Cayenne*.

Antennae with an elongated subulate club : *thorax* yellow, black on the back : last segment of the *abdomen* above black : *lower-wings* yellow at the tip.

Defensor. Ferruginous : tail and hind-legs black : wings brownish.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

All the *legs* sometimes black.

Aculeator. Ferruginous ; sting black : wings yellowish with a black marginal dot.

Inhabits *Tranquebar*.

Mandibles tipped with black : *antennae* black, the first joint ferruginous : all the *legs* yellow.

Femorator. Ferruginous ; abdomen and hind-legs black : wings yellow with a black marginal dot.

Inhabits *Tranquebar* ; large.

Antennae black, the first joint thicker and ferruginous : *abdomen* beneath ferruginous at the base.

Biguttator. Entirely black : scutellum with 2 dots.

Inhabits *Uptal*. *Tbunb. Nov. Act.* 4. p. 24. n. 41,

Arrogator. Black ; second and third segments of the abdomen fulvous : wings black with a testaceous costal spot.

Inhabits *Italy* ; large.

Insidiator. Black : head pale : wings blackish with a white spot and dot.

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

Antennae piceous at the tip : *abdomen* paleish beneath : *legs* black, fore-shanks testaceous.

Capitator. Black : head rufous : wings black immaculate.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Segments of the *abdomen* whitish at the edges.

Mutator. Black ; thorax rufous : wings brown.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Abdomen beneath pale at the base : *wings* yellowish-brown.

Lepidator.! Black ; thorax rufous ; 2 first segments of the abdomen with a white dot each side, lower-ones tipped with white.

Inhabits *Saxony*.

Breast blackish in the middle : abdomen petiolate, the third segment immaculate ; wings white : legs black, the fore-ones ferruginous. Antennae sometimes annulate with white.

• *Denigra-* Black ; wings blackish with a hyaline lunule : abdomen
tor. scarlet.

Inhabits *Europe*. *Sulz. Hist. Inf. tab. 26. fig. 16.*

Flavator. Black ; wings blackish immaculate ; abdomen yellow.
Inhabits *Barbary* ; less than the last.

Initiator. Black ; wings blackish : head and abdomen yellow.
Inhabits *Europe* ; much resembles the last.
Front black at the insertion of the antennæ ; upper-wings with a pale lunule in the middle ; *fling* and legs black.

• *Corrusca-* Body and limbs black : wings brown hyaline.
tor. Inhabits *Europe*.
Lip yellow : *shanks* white at the base.

• *Rutilator*. Black ; antennæ beneath abdomen and 4 fore-legs rufous.
Inhabits *Europe*. Front yellow.

• *Manifestor* Black immaculate ; abdomen sessile cylindrical : legs rufous.
Inhabits *Europe*. *Linn. Transf. iii. p. 23. tab. 4. fig. 1—5.*
Reaum. 6. tab. 29. fig. 16. Degeer. 1. tab. 36. fig. 9.

Approxima- Black ; abdomen cylindrical ; legs red ; front yellow
tor. Inhabits *Zealand* ; resembles the last.
All the legs rufous : wings hyaline.

Polycrator Black ; abdomen linear and very long : hind-shanks clavate.
Inhabits *India*. Wings short white.

Lunator. Varied with black and yellow : abdomen clavate with yellow lunules each side.
Inhabits *North America* ; large.
Antennae black, the first joint yellow : head beneath and orbits yellow : abdomen brown with yellow spots at the tip : wings hyaline.

hyaline with a brown marginal spot : *legs* yellow : *sting* twice as long as the body.

* *Compunctor*. Black ; mouth and legs rufous : abdomen petiolate : *sting* shorter than the abdomen.

In the Pupæ of Butterflies. *Schæff. Ic. tab. 49. fig. 4.*

Ovator. Black ; thorax immaculate : second and third segments of the abdomen and legs ferruginous. hind-thighs black.

Inhabits *Italy* ; large.

Fuscator. Black : fore-legs ferruginous : wings with a black spot before the tip.

Inhabits *Sanwich Islands*. Museum of Sir *Jos. Banks*.

Abdomen slightly petiolate.

Segmentator. Black ; thorax immaculate : 3 first segments of the abdomen at the edge and legs rufous

Inhabits *Sweden*.

Sting as long as the body : *wings* hyaline.

Eneruator. Black ; legs rufous : *sting* longer than the abdomen.

Inhabits *Kiel* ; resembles *I. compuctorius*.

Abdomen petiolate : *hind-legs* tipped with black.

Infligator. Black ; abdomen sessile : legs rufous, thighs black at the base ; *sting* short.

Inhabits *Germany*. *Sting* black.

Irritator. Black : abdomen ferruginous, the whole of the first segment and 2 dots on the rest black.

Inhabits *America*. Museum of Sir *Jos. Banks*.

Thorax with a yellow dot before the wings : segments of the abdomen, except the first, with 2 dorsal tubercles of the same colour, the last immaculate : *wings* hyaline with a black marginal dot : *legs* ferruginous, hind-thighs black.

Lapidator. Dull blue : wings black : legs rufous.

Inhabits *Southern Europe*.

Deinsor. Black : abdomen ferruginous, the base and tip black : knees of the hind-legs black.

Inhabits *Europe*.

* *Elongator*. Black ; segments of the abdomen 2, 3, 4, and legs rufous, hind-thighs black.

Inhabits *England*.

- Airator*: Black ; abdomen subcylindrical : hind-legs white before the tip.
Inhabits *Europe*. *Wings* white.
- Mandator*: Black ; thorax immaculate : second and third segments of the abdomen and legs yellow.
Inhabits *Saxony*.
Antennae reddish beneath : first segment of the *abdomen* black edged with yellow : second with a black spot : *thighs* black.
- Restaurator*: Black ; thorax with 2 white dots before the scutel : abdomen and legs piceous.
Inhabits *Kiel* ; large.
Head black, orbits white : *thorax* with a white dot before the wings, one under them, and 2 before the scutel : first segment of the *abdomen* black : *legs* piceous.
- Moschator*: Black : legs ferruginous tipt with white.
Inhabits *Denmark* ; has a slight musky smell.
- Castigator*: Black ; legs rufous ; sting o.
Inhabits *Germany*.
Antennae sometimes rufous beneath.
- Custodiator*: Black ; 2 last segments of the abdomen with a white dot : legs rufous : sting o.
Inhabits *Germany*.
Antennae ferruginous beneath : *abdomen* petiolate : *hind-legs* tipt with black.
- Nunciator*: Black ; legs rufous, hind-shanks black ; abdomen subcompressed.
Inhabits *Germany* ; small.
Feelers reddish : *sting* as long as the body : *wings* hyaline with a black marginal dot.
- Fabricator*: Black ; front yellow : abdomen ovate : legs rufous : sting o.
Inhabits *Germany*.
First joint of the *antennae* yellow beneath the rest ferruginous beneath : *hind-tarsus* black.
- Latrator*: Black ; segments of the abdomen 2, 3, 4, mouth and legs rufous ; hind-legs black annulate with rufous.
Inhabits *England*. *Museum* of Sir *Jos. Banks*.
Antennae rufous beneath : *thighs* and *shanks* of the *hind legs* rufous at the base.

- *Titillator*. Black : abdomen ferruginous, the base and tip black: hind-legs black, white at the end.
Inhabits *Europe*.
- Hastator*. Black : edges of the segments edged with rufous; scutell elevated 1-spined.
Inhabits *Europe*.
Head black, orbits testaceous: *thorax* with a yellow callous dot at the base of the wings: *wings* dull hyaline: *legs* rufous.
- Cultellator*. Black; abdomen compressed very acute and ferruginous: scutell emarginate.
Inhabits *Germany*
Thorax a little rugged and raised at the fore-margin.
- *Venator*. Black; abdomen subfalcate, the base flesh-colour beneath: legs rufous.
Inhabits *Europe*.
Abdomen with often a rufous curve or two.
- Fornicator*. Black; abdomen clavate arched immaculate: legs rufous.
Inhabits *Italy*; size of the last.
- *Lineator*. Black; abdomen petiolate: front with yellow lines: fore-legs ferruginous.
Inhabits *England*. In the museum of Sir *Joys Banks*,
Front with 2 yellow lines: 2 hind-legs black.
- Extensor*. Black; abdomen subcylindrical: legs rufous: sting longer than the body.
Inhabits *Europe*.
- Maculator*. Black; sides of the abdomen and legs rufous.
Inhabits *Germany*.
Segments of the abdomen whitish at the edges: hind-shanks spotted with white: wings hyaline with a black marginal dot.
- *Turionella*. Black; legs rufous: hind-shanks annulate with white.
In the larvæ of *Moths*.
- Anator*. Black; thorax spotted: tail white: legs rufous.
Inhabits *Germany*; small.
Antennæ yellowish beneath: orbits snowy: mouth reddish: thorax with a white line before the wings, a dot under them and 2 in the place of the scutell: hind-tarsi black.

- *Strobilellæ*. Black : sting twice as long as the abdomen : legs red-dish, shanks and claws of the hind-ones annulate with white.
In the larva of the *Tinea strobilellæ*.
- *Oculator*. Black ; base of the abdomen with a yellow dot each side : thorax 1-toothed behind.
Inhabits *England*. In the museum of *Sir. Jos. Banks*.
Thorax rough : *scutellum* gibbous : *wings* hyaline with a yellow marginal dot : *legs* rufous : *abdomen* in one sex immaculate.
- *Lucidator*. Yellow ; back of the thorax and first segment of the abdomen black.
Inhabits *Zealand*. small.
Tail white ; *legs* yellow, white at the ends :
- *Roburator*. Black ; abdomen rufous, edges of the segments and tail black : legs rufous :
Inhabits *Barbary* ; small.
Antennæ subferruginous at the tip : *wings* hyaline with a black marginal dot.
- *Fomentator*. Black ; abdomen falcate, the third segment and fourth at the base yellowish : legs testaceous.
Inhabits *Sweden*.
- *Menjurator*. Black ; second and third segments of the abdomen ferruginous with a black dorsal triangle.
Inhabits *Saxony*.
Wings with a yellowish spot.
- *Pennator*. Black ; abdomen sessile cylindrical ; legs rufous : sting hairy, as long as the abdomen.
Inhabits *Kiel* ; less than 1, extent r.
First joints of the *antennæ* ferruginous at the base : *wings* yellowish : *hind-shanks* white with a brown band.
- *Resinellæ*. Black ; legs yellow : abdomen sessile cylindrical incurved : antennæ pale yellow at the base.
In the larvæ of the *Tinea resinellæ*.
- *Prerogator*. Black ; abdomen oblong obtuse : mouth and legs pale.
In the larvæ of the *Bombyx Saucis*.
Wings hyaline with a black marginal dot.
- *Barbator*. Black ; middle of the abdomen and legs ferruginous antennæ bearded.

Inhabits

Inhabits—In the museum of Sir Jof Banks.

Wings white with a ferruginous spot.

Cylindrator Black; abdomen sessile cylindrical incurved, 3 of the segments rufous, the margin spotted with black.

Inhabits Kiel.

Thorax with a yellow dot before the wings: segments of the abdomen 2, 3, 4. with a rufous cross and black triangular spot each side: legs rufous, hind-tarsi black.

Accusator. Black; thorax immaculate: abdomen cylindrical, edges of the segments and legs rufous.

Inhabits Germany. Sting as long as the abdomen.

Stercorator. Black; front yellow: abdomen cylindrical; legs rufous, shanks and tarsi annulate with white and black.

Inhabits Kiel.

Antennae yellowish beneath: sting 0: wings hyaline with a small black marginal dot.

Incitator. Black; thorax spotted: abdomen cylindrical: legs rufous: sting short.

Inhabits Germany; small.

Antennae yellowish beneath: mouth yellowish: thorax with a white line each side before the wings and a large rufous spot under them: hind-shanks white.

Variegator. Black; thorax variegated: abdomen compressed clavate, the edges of the segments yellow: scutell pointed.

Inhabits Sweden.

Antennae beneath yellowish: front yellow with a black line in the middle: thorax varied with black and yellow: abdomen with 3 yellow bands above and beneath: legs yellow.

2. Antennae entirely pale yellow.

Acuminator Black; thorax immaculate: abdomen compressed clavate, 3 of the segments edged with yellow: scutell pointed.

Inhabits Saxony; resembles the last.

Head yellow, crown black: legs yellow, middle-thighs without and hind-ones entirely black.

Strigator. Black; abdomen with a white streak: hind-shanks white tip with black.

Inhabits Saxony; small.

Antennae beneath yellow: head yellow under the antennae: thorax with a yellow dot under the wings, scutell with 2 and a transverse line: legs rufous.

Scabrator.

Scabrator. Black, rough: hind-thighs rufous at the base.

Inhabits *Saxony*; small.

Body rough with small raised dots.

• *Gravida.* Black; first segment of the abdomen ferruginous covering half the abdomen.

Inhabits *Europe*.

• *Inculcator* Black; abdomen falcate, entirely ferruginous.

Inhabits *Europe*. *Reaum. Inf.* 6. tab. 30. fig. 9.

Falcator. Black; thorax with a yellow dot under the wings: abdomen falcate, the segments 2, 3, 4 rufous.

Inhabits *Sweden*; twice as large as *I. pugillator*.

Legs rufous, thighs black.

• *Pugillator* Thorax immaculate: abdomen falcate rufous, the base and tip black: legs slender ferruginous.

In the larva of the *Phalaena Ziczac*.

Degeer. Insect. 1. tab. 6. fig. 12.

Front with generally a yellow spot.

Moderator. Black; abdomen petiolate compressed: legs pale: sting a little shorter than the body.

In the larva of the *Ichneumon Strobilellae*, which it consumes and then spins its web in the empty skull.

• *Saltator.* Black; abdomen clavate very short: sting cylindrical: hind-legs elongated.

Inhabits *England*. In the museum of Sir *Jos. Banks*.

Fore-shanks and base of the thighs testaceous.

Frigator. Black; thorax immaculate: abdomen short falcate, the third segment and legs rufous.

Inhabits *Saxony*; small.

Wings hyaline with a black spot.

Tacator. Black, thorax immaculate: abdomen falcate ferruginous, the petiole second segment and base of the third black.

Inhabits *Kiel*; small.

Legs rufous, hind-thighs annulate with black at the base.

Compensator Black; thorax immaculate: abdomen very short falcate, the segments 2, 3, 4. rufous.

Inhabits *Germany*; small.

Wings whitish with a brown marginal dot: *legs* rufous, hind-shanks at the tip and tarsi black.

Mercator. Black; thorax immaculate: abdomen short falcate, the second segment yellow at the tip, third entirely and fourth at the base.

Inhabits *Germany*.

Head black, mandibles and feelers yellow: *legs* yellow, 4-fore-thighs black: *wings* dusky.

Flagellator. Black; thorax immaculate: abdomen falcate short, the second and third segments rufous: *legs* rufous, hind-thighs black.

Inhabits *Kiel*; resembles the last.

Cunctator. Black; thorax spotted: abdomen subfalcate rufous, the petiole black: front and ends of the hind-legs yellow.

Inhabits *Kiel*; small

First joint of the *antennae* beneath yellow: *thorax* with a yellow line before the wings and dot under them: *legs* rufous, hind-shanks black.

Irrorator. Black; tip of the upper-wings brown with a white dot: abdomen clavate with a villous gold spot at the tip.

Inhabits *Southern Europe*.

Abdomen subreticulate: *hind-shanks* ferruginous at the base.

* *Basipator*. Black; *legs* ferruginous: *thighs* clavate, the hind-ones toothed.

Inhabits *Europe*.

Curvator. Black; *legs* yellow; hind-thighs clavate.

Inhabits *Denmark*; small.

* *Jaculator* Black; abdomen falcate rufous in the middle: hind-shanks clavate, the base and tip white.

Reaum. Inf 4. *tab.* 10. *fig.* 14. *Degeer.* 1. *tab.* 36. *fig.* 10:

In the larvæ of *Becs* and of the Genus *Sphex*.

* *Affector* Black; abdomen falcate with 3 rufous lateral spots: hind-shanks clavate rufous.

Inhabits *Europe*.

Necator. Black; abdomen yellow tipped with black: *legs* yellow.

Roef. Inf. 2. *Vesp.* 4. *tab.* 4.

In the larvæ of *moths*, which it entirely covers and fastens down with its webs.

Wings hyaline with a yellow costal spot.

Punctator. Yellow dotted with black: abdomen sessile.

Inhabits *Souib America* and *India*.

Exarator. Body piceous immaculate: abdomen and thighs clavate: feelers setaceous: wings with a white and black spot.

Inhabits *Europe*; small. *Fn. Suec.* 1614.

Mandator. Black; second and third segments of the abdomen ferruginous, the tip white above.

Inhabits *Europe*. *Fn. Suec.* 1620.

Encrator. Black; 3 first segments of the abdomen rufous, the tip above white: antennæ annulate with white.

Inhabits *Europe*. *Fn. Suec.* 1621.

Agricolator. Black; head ferruginous: abdomen sessile.

Inhabits *Europe*. Probably a variety of *I. fecalis*.

Legs piceous, fore-thighs clavate.

Compunctator. Black; abdomen subpetiolate oblong: legs rufous: wings with a black marginal spot.

Inhabits *Austria*. *Schranck. Inf. Aust. p.* 357. *n.* 721.

Leucotarsus. Black; abdomen falcate: legs ferruginous; tarsi of the hind-ones white with black claws.

Inhabits *Austria*. *Schranck. Inf. Aust. p.* 339. *n.* 725.

Latro. Black; abdomen subpetiolate subcompressed testaceous tipped with black: legs testaceous.

Inhabits *Austria*. *Schranck. Inf. Aust. p.* 360. *n.* 726.

Vespiiformis. Black; abdomen with 4 yellow belts.

Inhabits *Austria*. *Schranck. Inf. Aust. p.* 361. *n.* 728.

Suratus. Black: abdomen petiolate falcate, the second segment pale yellow.

Inhabits *Austria*. *Schranck. Inf. Aust. p.* 362. *n.* 729.

Cecifer. Black; abdomen falcate with a ferruginous band.

Inhabits *Austria*. *Schranck. Inf. Aust. p.* 362. *n.* 730.

Flavifrons. Front yellow: legs rufous: antennæ pale beneath.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 363. n. 731.*

Macropus. Tip of the antennæ middle of the abdomen and legs rufous,
the hind-ones black varied with ferruginous.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 364. n. 733.*

Impostor. Entirely black: abdomen fulvous.
Inhabits *Europe.* *Geoffr. Inf. par. 2. p. 352.*

Abrogator. Black; abdomen ovate: legs ferruginous.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 367. n. 740.*

Devastator Black; abdomen petiolate and legs ferruginous: hind-thighs
black: wings brownish.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 367. n. 741.*

Imprægnator. Black; 4 fore-shanks and abdomen ferruginous, the tip
and first segment black, the second and fifth punctured.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 368. n. 743.*

Impugnator. Black; abdomen with 2 yellow belts: 4 fore-shanks testa-
ceous, hind-ones brown.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 368. n. 744.*

Myrtacatus. Reddish-brown; long feelers and base of the shanks yellow.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 369. n. 746.*

Debellator. Black; abdomen petiolate with a fulvous belt: base of the
antennæ and legs yellow.
Inhabits *Austria.* *Schranck. Inf. Aust. p. 370. n. 747.*

Isosclator. Abdomen petiolate subfalcate: mouth and feelers yellow;
antennæ brown: legs citron
Inhabits *Austria.* *Schranck. Inf. Aust. p. 370. n. 748.*

Immaculatus. Black; abdomen sessile: legs rufous, the ends of the hind-
ones black.
Inhabits *Europe.* *Mus. Lesk. p. 60. n. 191.*

Marginatus Black; abdomen sessile: sting white at the margin: front
with a 2-lobed yellow spot: legs rufous.
Inhabits *Europe.* *Mus. Lesk. p. 60. n. 192.*

Longipes. Black; abdomen ferruginous tip with brown: legs ferru-
ginous, the hind-ones very long.
Inhabits

Inhabits Europe. *Mus. Lesh.* p. 60. n. 193.
 Thighs brown, 3-toothed.

Bisulcus. Black ; thorax with 2 impressed lines before: legs rufous: stinging short.

Inhabits Europe. *Mus. Lesh.* p. 60. n. 194.

Impressus Black : crown impressed: legs rufous : stinging short.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 195.

Bilineatus. Black ; front with 2 yellow lines : abdomen depressed ; legs red, the ends of the hind-ones brown.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 196.

*Melanopter-
rus.* Black : 2 first segments of the abdomen ferruginous : legs and wings black.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 197.

Gracilis. Black ; front horny : abdomen cylindrical thin and long: legs rufous.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 198.

Adustus. Black : legs rufous yellow, tip of the hind-thanks and ends brown.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 199.

Nævus. Black ; front white ; thorax with a white line each side and spot under the wings: legs rufous.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 200.

Auricapillus Black : front yellow : abdomen falcate ferruginous: the first segment above tip with black ; legs reddish, hind-thanks tip with black.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 203.

Calvatus. Black ; orbits vertical line mouth and legs ferruginous ; abdomen falcate ferruginous, the second and third segments above and tip of the petiole yellow.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 204.

Leucopterus. Black ; legs rufous: wings white with yellow veins and marginal spot.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 205.

Metamurus. Black ; abdomen ferruginous, the petiole and short tail black.

Inhabits Europe. *Mus. Lesh.* p. 61. n. 206.

Varius.

- Varius.* Black ; head and thorax varied with ferruginous : wings ferruginous, hyaline at the tip ; legs rufous, hind-shanks ferruginous.
Inhabits Europe. *Mus. Lesk.* p. 61. n. 209.
- Bimaculatus.* Black : front legs antennæ beneath 2 spots on the thorax and hind-margin of the first abdominal segments except the second yellow.
In the larva of the Phal. fimbria. *M. Lesk.* p. 61. n. 210.
- Longispinis* Black ; 2 first segments of the abdomen above, petiole and tip and legs rufous, the ends of the hind-ones brown.
Inhabits Europe. *Mus. Lesk.* p. 61. n. 211.
- Versicolors* Black ; front yellow ; antennæ reddish-yellow beneath : legs rufous, the ends of the hind-ones brown.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 213.
- Leucopalpus* Black ; legs rufous : feelers white.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 214.
- Melanopus* Black : legs rufous, the ends of the hind-ones black.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 215.
- Leucopus.* Black ; legs rufous, the ends of the hind-ones white.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 216.
- Variatus.* Black ; front base of the antennæ and jaws white ; 4 fore-legs reddish-yellow, hind-ones black with rufous joints.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 217.
- Rubiginosus* Black : 4 fore-legs edge of the third and fourth abdominal segments and tip ferruginous.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 218.
- Luteiceps* Front each side and mouth yellow : antennæ beneath and first segment of the abdomen on the hind-margin pale yellow : legs rufous.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 219.
Hind-shanks brown at the base and tip.
- Hyalinus* Black ; legs rufous : abdomen and wings hyaline.
Inhabits Europe. *Mus. Lesk.* p. 60. n. 221.

- Cylindricus* Black ; legs rufous ; abdomen cylindrical most of the segments ferruginous at the outer-margin.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 222.
- Albipes.* Black ; legs rufous ; hind-shanks white, the tip and ring at the base ferruginous, the ends whitish.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 223.
- Deustus.* Black ; front mouth and line on the thorax each side before the wings yellow ; legs rufous, the shanks and ends white tipped with black.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 224.
- Variegatus.* Black ; front orbits and mouth yellow : fore-legs reddish yellow ; hind-ones rufous, middle of the shanks white, the ends white annulate with brown.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 227.
Antennae yellowish beneath.
- Rufescens* Black ; 4 fore-legs pale rufous, thighs of the hind-ones rufous ; shanks yellowish with a brown ring at the base.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 228.
- Lineolaris* Black ; line each side the front and mouth yellow : thorax spotted. legs rufous.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 229.
- Favicinctus* Black ; sting very short : legs rufous, hind-shanks with a yellow ring at the base.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 230.
- Subfalcatus* Black ; abdomen subfalcate ferruginous, the base and tip black : legs rufous, tip of the hind-shanks and ends brown.
Inhabits Europe. *Mus. Lesk.* p. 62. n. 231.
- Fasciatus.* Black ; broad line each side the front and 4 fore-shanks and base of the hind-ones yellow.
Inhabits Europe. *Mus. Lesk.* p. 63. n. 232.
- Fuscicornis* Black : antennæ and hind-shanks brown-ferruginous : abdomen ferruginous, the petiole black : legs rufous.
Inhabits Europe. *Mus. Lesk.* p. 63. n. 233.

Chrysops Black ; front antennæ beneath legs and base of the thighs yellow ; abdomen ferruginous, the base and tip above black.

Inhabits Europe. *Mus. Lesk. p. 63. n. 234.*

Erythropal- Black : front with a yellow line each side : base of the ant-
pus. ennæ feelers and legs rufous : abdomen ferruginous, the base and tip black.

Inhabits Europe. *Mus. Lesk. p. 63 n. 235.*

Leucofoma. Black : front and mouth white : antennæ pale yellow beneath ; legs rufous, ends of the hind-ones black.

Inhabits Europe. *Mus. Lesk. p. 63. n. 240.*

Aurifrons. Black; front lip base of the antennæ and legs reddish-yellow: hind-shanks white annulate with black.

Inhabits Europe. *Mus. Lesk. p. 63. n. 242.*

Antennæ pale yellow beneath : base of the *shanks* with a ferruginous ring,

Nigricans. Black ; legs rufous : hind-shanks white tipped with black.

Inhabits Europe. *Mus. Lesk. p. 63. n. 245.*

Quadricolor Black ; front and mouth yellow : antennæ beneath pale yellow : legs rufous, the ends brown.

Inhabits Europe. *Mus. Lesk. p. 63. n. 247.*

Quadrima- Black ; base of the antennæ 4 spots on the front mouth and
culatus. ends of the legs white : abdomen ferruginous, the petiole black.

Inhabits Europe. *Mus. Lesk. p. 43. n. 248.*

Four fore-legs yellow, hind-thighs and shanks brown.

Pilus. Black ; legs rufous : 2 first segments of the abdomen ferruginous.

Inhabits Europe. *Mus. Lesk. p. 64. n. 249.*

Bipunctatus Black ; base of the antennæ and thighs and face yellow, the latter with 2 black dots : abdomen and hind-shanks ferruginous.

Inhabits Europe. *Mus. Lesk. p. 64. n. 250.*

Abdomen black at the base and tip: 4 fore-shanks yellow.

Mareus. Black ; 4 fore-legs rufous, base of the thighs black, shanks reddish-brown, metatarsi white.

Inhabits Europe. *Mus. Lesk. p. 64. n. 251.*

Causcens.

- Caneſcens.* Black; front villous grey: abdomen ferruginous, the petiole tip and spot on the ſecond ſegment black.
Inhabits Europe. *Muf. Leſk. p. 64. n. 252.*
Thighs ruſous, yellow at the baſe, 4 fore-ſhanks yellowiſh, hind-ones reddiſh.
- Piceus* Piceous; abdomen black, 3 firſt ſegments ferruginous, the tip with 2 yellowiſh dots: legs reddiſh, the ends of the hind-ones brown.
Inhabits Europe. *Muf. Leſk. p. 64. n. 253.*
- Flaviventris.* Black; abdomen yellow, the baſe tip and belt in the middle of the firſt ſegment black.
Inhabits Europe. *Muf. Leſk. p. 64. n. 254.*
Four fore-legs yellow, hind-ones black with ferruginous ſhan
- Fuſceſcens.* Black; antennæ brown: legs ruſous, the hind-ſhanks browniſh towards the tip.
Inhabits Europe. *Muf. Leſk. p. 64. n. 255.*
- Longipalpis.* Black; face antennæ and abdomen brown ferruginous: feelers very long: abdomen compreſſed.
Inhabits Europe. *Muf. Leſk. p. 64. n. 256.*
Legs yellow, hind-ſhanks tipped with brown.
- Striatus.* Black; baſe of the antennæ white: front white with 2 black lines: abdomen ſubſellile ferruginous, black at the baſe and tip.
Inhabits Europe. *Muf. Leſk. p. 64. n. 258.*
Legs ruſous, hind-thighs and ſhanks tipped with black.
- Erythrogaſter.* Black; baſe of the antennæ and mouth white: abdomen ruſous, the baſe and tip black: legs reddiſh-yellow.
Inhabits Europe. *Muf. Leſk. p. 64. n. 259.*
- Oſcureus* Black: abdomen ferruginous, the tip and baſe of the petiole black: ends of the 4 hind-legs white.
Inhabits Europe. *Muf. Leſk. p. 64. n. 260.*
- Rubellus* Black; legs reddiſh: thighs and tip of the hind-ſhanks brown.
Inhabits Europe. *Muf. Leſk. p. 64. 261.*
- Corticinus.* Black; mouth baſe of the antennæ and baſe and tip of the abdomen ferruginous; legs ruſous.
Inhabits Europe. *Muf. Leſk. p. 65. n. 262.*

- Deauratus* Black ; mouth and base of the antennæ and thighs yellow : first segment of the abdomen behind, third and fourth and tip of the petiole ferruginous : legs rufous.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 263.
- Fulviventris*. Black ; base of the antennæ before abdomen 4 fore-legs base of the hind-thighs and shanks yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 264.
Abdomen black at the base and tip.
- Impressus* Black ; front with a black line each side : abdomen reddish : legs rufous, shanks white towards the base with a ferruginous ring each side.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 265.
Abdomen black at the base and tip, 3 first segments with a transverse impressed line in the middle.
- Senilis*. Black ; front grey : base of the abdomen reddish-yellow : 4 fore-legs yellow the rest brown.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 266.
- Concolor*. Black : legs and abdomen rufous, the petiole black.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 267.
- Chrysogaster*. Black : antennæ legs and wings brownish : abdomen yellow subseffile shorter than the sting.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 270.
- Vittatus*. Black , antennæ beneath, transverse band on the front and mouth yellow : abdomen ferruginous, the base and spot in the middle of the first segment black.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 271.
- Brachycanthus*. Black ; antennæ brown ; abdomen and legs yellow : sting very short.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 272.
- Braccatus*. Black ; mouth and base of the antennæ and thighs yellow : abdomen ferruginous black at the base : 4 fore-legs pale yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 273.
- Melanophthalmus* Black : head ferruginous, eyes and abdomen ferruginous varied with black : legs rufous.
Inhabits *Europe*. *Mus. Lesk.* p. 65. n. 274.

Ochrocercus Black ; thighs yellow : shanks white, the hind-ones and ends annulate with yellow.

Inhabits Europe. *Mus. Lesh. p. 66. n. 275.*

Erythropus Black ; legs rufous : belly yellowish.

Inhabits Europe. *Mus. Lesh. p. 66. n. 277.*

Hæmatopus Piccous, glabrous ; jaws rufous : legs red, the ends brown.

Inhabits Europe. *Mus. Lesh. p. 66. n. 278.*

Leucogenus Black ; legs rufous, hind-shanks black at the base and tip ends of the 4 hind-legs brown, the joints white at the base.

Inhabits Europe. *Mus. Lesh. p. 66. n. 279.*

Allidus. Black ; legs reddish, the ends and shanks whitish, the hind-ones of the latter tipped with brown.

Inhabits Europe. *Mus. Lesh. p. 66. n. 280.*

Luteolus Black ; front mouth hind-part of the first segment of the abdomen and second yellow : legs reddish ; hind-shanks white tipped with brown.

Inhabits Europe. *Mus. Lesh. p. 66. n. 281.*

Mixtus. Black ; face and base of the antennæ and thighs yellow : 3 first segments of the abdomen ferruginous ; 2 of them black on the back : legs rufous.

Inhabits Europe. *Mus. Lesh. p. 66. n. 282.*

Melanoleucos. Black ; legs rufous, the joints white : front with white lobes and line each side.

Inhabits Europe. *Mus. Lesh. p. 66. n. 283.*

Funebris. Black ; antennæ brown : legs rufous.

Inhabits Europe. *Mus. Lesh. p. 66. n. 284.*

Chrysodes. Black : base of the antennæ and mouth reddish : abdomen yellowish-brown with a black petiole : legs yellowish, hind thighs reddish-brown

Inhabits Europe. *Mus. Lesh. p. 66. n. 286.*

Affimilator. Scarlet ; fore-part of the thorax and legs black ; wings black-brown with a yellowish base and band and scarlet dot.

Inhabits America. *Aët. Stockb. 1787. 4. 2. n. 34.*

Depressa.

Depressator Black ; base of the antennæ ferruginous before : abdomen depressed, the 3 first segments yellow : legs pale rufous.

Inhabits Europe. *Mus. Lesh. p. 66. n. 287.*

Ferrugator Ferruginous ; wings yellowish with a ferruginous spot : antennæ tip with black.

Inhabits America. *Atl. Sto. 1787. 4. 2. n. 33.*

E *Antennæ yellow.*

• **Luteus.** Pale yellow ; thorax striate : abdomen falcate.

Inhabits Europe. *Schaeff. Ic. tab. 1. fig. 12. tab. 101. fig. 4.*

• **Ramidulus** Pale yellow : abdomen falcate tip with black.

Inhabits Europe. *Donovan ii. tab 42. fig. 1.*

Hind-thighs with a black ring at the base : *wings* hyaline with a yellow marginal spot.

Flavus. Pale yellow : crown black : abdomen brown at the tip.

Inhabits South American Islands.

Wings hyaline with a small yellow marginal dot.

Ferrugineus. Fulvous ; segments of the abdomen with a yellow dot each side.

Inhabits Italy ; large. *Fabric. iv. app. p. 456.*

Mandibles and *sternmata* black : *thorax* with 2 pale black dorsal lines and a yellow dot under the wings : *abdomen* petiolate : *wings* whitish with a yellow spot.

Fulvus. Pale yellow ; wings black with a yellow dot.

Inhabits America. *Abdomen* sessile.

Annulatus Varied with black and yellow : wings tip with black.

Inhabits East India.

Head yellow, crown black : *thorax* yellow with black lines : first segment of the *abdomen* ferruginous the base and tip black, 2, 3, 4 yellow tip with black, the rest yellow : *legs* ferruginous tip with white.

Atratus. Black : head legs and streak on the tail yellow : sting very long.

Inhabits North America ; large.

Mandibles and streak between the eyes black : *sting* 3 times as long as the body : *wings* dusky : *legs* yellow, 4 hind-thighs black.

- Dentatus.* Black; spotted with yellow: scutell yellow, 2 toothed at the tip: tail 2-toothed.
Inhabits Norway; large.
Head black, front yellow: antennae above black, beneath yellow: thorax spotted with yellow: scutell black, the tip yellow: abdomen black, the segments edged with yellow: legs yellow, hind-thighs black within.
- Variornis.* Black; antennae yellow annulate with black; legs rufous.
Inhabits Germany.
Lip yellow: front yellow with a black line in the middle: thorax with 2 white lines: tip of the scutell white: abdomen petiolate: wings hyaline with a black marginal dot.
- Morio.* Black; abdomen falcate: wings blue.
Inhabits America. Museum of Sir Jos. Banks.
Head black front spotted with yellow: abdomen petiolate: wings blue tipped with brown: legs black, the fore-ones testaceous.
- Compressus.* Abdomen compressed, the segments edged with yellow: antennae and legs pale yellow.
Inhabits Sweden.
First and last joints of the antennae black: abdomen black: wings whitish: legs yellow, hind-ones black, all the thighs black at the base.
- Varius.* Pale yellow; abdomen ovate; breast varied with black.
Inhabits Germany
Front with a black streak: thorax with 2 impressed black dots: petiole of the abdomen black: wings yellowish with a black marginal dot.
- *Chrysopus.* Black; thorax spotted with yellow: edges of all the segments of the abdomen and legs yellow.
Inhabits England. Linn. Transact. iii. p. 4. tab. 2. fig. 5.
Thorax and scutell with each 4 yellow dots: legs yellow, thighs black at the base:
- *Amictus.* Black; abdomen falcate: antennae and legs ferruginous.
Inhabits England. Museum of Sir Jos. Banks.
Front with a yellow spot: legs whitish at the tip.
- *Glaucop-terus.* Pale yellow: breast black: abdomen falcate, the tail black,
Inhabits Europe. Schaeff. Icon. tab. 82. fig. 3.

- Circumflexus.* Black; abdomen falcate, yellow before: hind-legs with black joints: scutel yellow.
Inhabits *Europe*. *Donovan*. iii. tab. 93. fig. 2.
- Punctatus.* Yellow; head and thorax spotted: abdomen with 5 black dots each side.
Inhabits *Coromandel*. *Museum of Sir Jof. Banks*.
Head yellow with a black spot on the crown in which are 3 stigmata: legs testaceous.
- Hispidus.* Black; thorax ferruginous, the margin and scutel white.
Inhabits *Zealand*; small.
Head black, mouth and 2 dots on the crown white: base of the wings white: abdomen black, the segments edged with white: legs rufous, hind-shanks white, the ends black.
- Flavicans.* Pale yellow; segments of the abdomen 2, 3, 4, 5. with 2 black dots at the base.
Inhabits *Germany*; large.
Mandibles tipped with black: scutel with 2 blackish dots: wings and legs pale yellow.
- Tricolor.* Black; abdomen antennæ and legs ferruginous.
Inhabits *Italy*.
Mouth yellow: first joint of the antennæ black: thorax with a yellow line each side and dot under the wings: petiole of the abdomen black: wings whitish.
- Formicatus.* Black; antennæ and legs yellowish: wings hyaline with a black spot.
Found on *Linne's Estate at Hammarby*.
- Matillarius.* Yellowish; abdomen with a black band: wings spotted with brown.
Inhabits *Germany*. Abdomen petiolate.
- Affinis.* Ferruginous; thorax darker on the back: wings hyaline with a black marginal dot.
Inhabits *Kiel*. Abdomen petiolate.
Legs ferruginous, tarsi white at the base.
- Abdominalis.* Yellow; abdomen black.
Inhabits *France*; small.
Wings white hyaline with a large black spot.
- Cinctus.* Black; antennæ and legs ferruginous: wings white with 2 black bands.
Inhabits *Northern Europe*.

- Fuscatus*. Black; abdomen with a ferruginous band: wings spotted with brown.
Inhabits *Germany*; small.
Head black, front yellowish: legs ferruginous.
- Falcifer*. Head yellow with 2 black dots before and black behind: abdomen falcate: thighs rufous, the hind-ones tipped with brown.
Inhabits *Europe*. *Mus. Lesk.* p. 66. n. 288.
Thorax varied with ferruginous and black.
- Tenebricoides*. Ferruginous; crown and anterior margin of the front black: petiole of the abdomen beneath, dot on the first segment, hind-part of the second and the whole of the rest black.
Inhabits *Europe*. *Mus. Lesk.* p. 67. n. 291.
- Nævius*. Pale yellow; thorax spotted with brown, first segment of the abdomen impressed transversely, the 3 last black.
Inhabits *Europe*. *Mus. Lesk.* p. 67, n. 293.
- Melano-xanthus*. Black; front yellow with a black spot: antennæ annulate with black: legs rufous.
Inhabits *Europe*. *Mus. Lesk.* p. 67. n. 294.
- Trituberculatus*. Black; front with 3 tubercles: abdomen ferruginous, the base and tip black: antennæ black at the tip: shanks yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 67. n. 295.
- Albiscutatus*. Ferruginous; thorax varied with black: scutellum and spot under the wings white.
Inhabits *Europe*. *Mus. Lesk.* p. 67. n. 296.
- Lutescens*. Black; abdomen ferruginous, black at the base: fore-legs yellow, 4 hind-ones ferruginous clouded with black.
Inhabits *Europe*. *Mus. Lesk.* p. 67. n. 297.
- Albiventris*. Black; antennæ black at the base: legs rufous: front with a white line each side: scutellum and third segment of the abdomen white, the fourth and fifth at the hind-margin each side and sixth entirely white.
Inhabits *Europe*. *Mus. Lesk.* p. 67. n. 298.
- Cultratus*. Black; base of the antennæ front lip spots on the thorax legs and falcate abdomen yellow, the segments black at the base.

Inhabits Europe. *Mus. Lesk.* p. 67. n. 299.

Front with a longitudinal interrupted white line: thighs black, ferruginous in the middle.

Luteolus. Black; legs rufous: abdomen pale yellow, the 3 last segments black at the base: front and 4 fore-thanks yellowish.

Inhabits Europe. *Mus. Lesk.* p. 67. n. 300.

Incisus. Pale yellow; thorax varied with brown: incisures of the abdomen ferruginous

Inhabits Europe. *Mus. Lesk.* p. 67. n. 301.

Annulatus. Black; antennæ slightly annulate with black: legs rufous: sting short.

Inhabits Europe. *Mus. Lesk.* p. 67. n. 302.

Venosus. Pale yellow, black between the stigmata: wings white with yellow veins.

Inhabits Europe. *Mus. Lesk.* p. 67. n. 303.

Notatus. Black; antennæ finely annulate with ferruginous: front mouth and legs pale yellow: scutel and spot under the wings white.

Inhabits Europe. *Mus. Lesk.* p. 67. n. 304.

Ferruginosus. Black; abdomen tipped with black: thorax spotted: edge of the scutel mouth and legs ferruginous.

Inhabits Europe. *Mus. Lesk.* p. 67. n. 305.

Melanogonus. Black; abdomen ferruginous tipped with black: legs ferruginous with black joints.

Inhabits Europe. *Mus. Lesk.* p. 68. n. 306.

Leucorhous. Black; dot on the thorax under the wings and tip of the abdomen white: antennæ tipped with black: legs rufous, tip of the hind-thanks black.

Inhabits Europe. *Mus. Lesk.* p. 68. n. 307.

Chrysogaster. Black; belly yellow: legs pale yellow.

Inhabits Europe. *Mus. Lesk.* p. 68. n. 308.

Xanthomelas. Black; scutel ferruginous: fore-part of the belly front mouth and legs pale yellow.

Inhabits Europe. *Mus. Lesk.* p. 68. n. 309.

- Crassipes.* Black; abdomen ferruginous, the third and fourth segment black tipped with white: hind-shanks ferruginous tipped with black.
Inhabits *Europe*. *Mus. Lesh. p. 68. n. 310.*
Legs thick rufous.
- Bicolor.* Ferruginous; tip of the abdomen breast and tips of the upper-wings black.
Inhabits *Africa*. *Hind-thighs* black.
- Cardui.* Black; antennæ testaceous from the base to the middle: legs tawny, the tarsi black.
Inhabits *Bavaria*. *Schranck. Baier. Reise. p. 124.*
- Xanthopus.* Abdomen falcate: legs tipped with yellow: antennæ ferruginous: sting short yellow.
Inhabits *France*. *Geoffr. Inf. par. 2. p. 331.*
- Melanops.* Ferruginous; eyes tip of the abdomen and sheath of the sting black.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 372. n. 752.*
- Nigrocylus.* Ferruginous; abdomen petiolate, the base blackish: sting black.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 372. n. 753.*
- Quadri-punctatus.* Ferruginous; scutellum yellow; abdomen brownish, the base with 2 rows of dots.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 373. n. 754.*
- Vinellus.* Ferruginous; scutellum yellow: hind-thighs subclavate.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 373. n. 755.*
- Exoticus.* Black; antennæ middle of the abdomen and shanks ferruginous.
Inhabits—*Schranck. Inf. Aust. p. 374. n. 756.*
Abdomen petiolate: *hind-shanks* tipped with black.
- Melanophthalmus.* Ferruginous; eyes tip of the thorax and base of the abdomen at the sides black.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 374. n. 757.*
- *Polyzonius* Black; head thorax and breast spotted with yellow: scutellum yellow: abdomen black, the segments edged with yellow.
Inhabits *England*. *Forst. Nov. Inf. 1. p. 85.*

Cylindricus. Black; abdomen cylindrical, the segments impressed transversely: legs red: antennæ with narrow brown rings.
Inhabits Europe. *Mus. Lesc. p. 61. n. 201.*

F. Minute: Antennæ filiform; abdomen sessile ovate.

Semiauratus. Gilt; abdomen ferruginous tipped with blue.
Inhabits Europe. Tip of the abdomen black-blue.

Nitidulus. Blue-black; thorax and fore-part of the abdomen ferruginous.
Inhabits Italy. *Rel. Fr. Etrusc. tab. 6. fig. 1, 7.*
Antennæ inflected, the first joint black, second rufous, the rest blackish: thorax 2 toothed behind, the fore-lobe ferruginous: legs ferruginous, hind-thighs with a black ring.

Splendidus. Shining-blue; abdomen fulvous at the base and tipped with black.
Inhabits Italy. *Antennæ and legs black.*

Ignitus. Black-blue: thorax golden before. abdomen ferruginous with a black band behind.
Inhabits Barbary. *Wings dusky.*

Chrysis. Shining green-bronze: abdomen ovate golden.
Inhabits Barbary. *Antennæ and legs black.*

* *Muscaram* Gilt; legs yellow, formed for skipping.
Degeer. Inj. 1. tab. 32. fig. 19, 20.
Inhabits Europe, in the larvæ of Flies.

* *Bedeguaris*. Shining-green; abdomen depressed golden.
Inhabits Europe. *Reaum. Inf. 3. tab. 41. fig. 13, 14.*

Nigricornis. Shining-green: antennæ black: legs pale yellow.
Inhabits Germany. Hind-thighs black at the base.

* *Gallarum*. Brassy-brown: abdomen black: shanks pale.
In the larvæ of the *Cynips Quercus ramuli*.

Juniperi. Green-gold: antennæ black: wings hyaline.
In the larvæ of the *Tipula juniperina*.

Quadrum. Black bronzed: base of the abdomen and legs ferruginous: wings white with 2 black marginal spots.
Inhabits Saxony.

Abdomen tipped with black: *antennae* ferruginous tipped with black: spots on the *wings* square.

- z-maculatus*. Black; abdomen conic and very acute: wings white with 2 black spots on the upper-pair.
Inhabits *Saxony*. First joint of the *antennae* ferruginous.
- *Puparum*. Blue-gold; abdomen glossy-green.
Reaum. 6. *tab.* 30. *fig.* 13—15. *Merian Eur. tab.* 44. 52.
Deposits its eggs in the pupæ of *Butter-flies* and *Flies* as soon as they are transformed from larvæ.
- *Larvæ*. Green-gold; abdomen black with a purplish spot on the back: legs yellow.
In the larvæ of *Moths*. *Reaum.* 2. *tab.* 36. *fig.* 9—11.
- Cynipidis*. Green-gold; abdomen brown with a pale belt at the base: legs yellowish,
In the larvæ of *Moths* and *Cynipides*.
- Sphægum*. Black immaculate: wings white.
Inhabits *Dresden*.
- Coccorum*. Black bronzed; abdomen blueish: legs livid,
In the *Coccus*. *Degeer. Inf.* 1. *tab.* 35. *fig.* 17.
- Secalis*. Black; head rufous; eyes green.
In larvæ found on ears of *Corn*.
- Subcutaneus*. Black; wings hairy with a black lunar spot.
Inhabits *Europe*. *Degeer. Inf.* 1. *tab.* 30. *fig.* 21.
- Stigma*. Black; wings dusky with a black marginal spot.
In the larvæ of the *Cynips Rosæ*.
- Conicus*. Black; abdomen conic very acute: thighs clavate ferruginous.
Inhabits *Denmark*. *Wings* dusky.
- *Globatus*. Black; legs ferruginous.
Reaum Inf. 2. *tab.* 35. *fig.* 56. *Merian. Eur. tab.* 22.
Breeds in large white silk balls which are frequently found on the stems of different plants.
- *Glomeratus*. Black; legs yellow.
Reaum. 2. *tab.* 33. *fig.* 2, 7, 8. *Mer. Eur. tab.* 48.

In the larvæ of *Moths*, and after having quitted them they jointly spin a yellow silky web.

- Sericeus*. Black; abdomen and legs yellow.
Inhabits *Guadeloupe*; and after having quitted their parent larva spin numerous aggregate snowy webs.
Abdomen black: *wings* white hyaline with a black marginal spot.
- * *Aphidum* Black: base of the abdomen fore-legs and hind-joints yellow.
In various species of the *Aphis*. *Frisch*. 11. tab. 19.
- Atomos*. Varied with pale and brown.
Inhabits *Upsal*; is less than a mite and hardly to be distinguished unless when in motion.
- * *Punctum* Glossy-black: wings iridescent edged with long black hairs.
Linnean Transactions. iv. . 89 tab. 18. fig. 1.
Inhabits *England*; not larger than the last.
- * *Tipulæ* Black: base of the antennæ and legs rufous; hind-shanks clavate tipped with black
Linnean Transaction iv. p. 230.
In the larva of the *Tipula Tritici*; minute.
Antennæ as if broken, the first joint long and reddish: *wings* without veins, longer than the body: *abdomen* ovate sessile depressed.
- * *Ovulorum* Black: legs rufous; antennæ filiform long.
Degeer Ins 1. tab. 45. fig. 11, 12, 13.
In the eggs of the Lepidopterous insects.
2. Legs black. *Schranck. Beyr*, tab. 2. fig. 13.
- Minutus*. Deep-black; wings blackish with a white base and 2 opposite spots
Inhabits *France*; small.
First joint of the antennæ long and pale: legs black tipped with white.
- * *Pectinicornis*. Black; antennæ branched.
Degeer. Ins 1. tab. 35. fig. 3—6.
Art. H'm. 1740 tab. 1. fig. 4—6.
In the larva of the *Bombyx Quercus*.
- Ramicornis*. Green antennæ branched.
In the larvæ of *Moths*, *Degeer*. 2, tab. 31. fig. 14.

- Alvearifex* Black ; legs ferruginous: abdomen petiolate and pale at the base beneath.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 378. n. 767.*
Breeds in white webs disposed like a honey-comb.
- Gregarius.* Black ; legs and sides of the abdomen ferruginous.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 377. n. 766.*
Breeds in the larvæ of *Moths* and *Butter flies*, and spins each a separate white silky web.
- Intercus.* Black ; abdomen ovate depressed, testaceous at the base: shanks rufous.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 377. n. 764.*
- Tortricus.* Black ; abdomen ovate depressed, paler beneath.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 367. n. 763.*
In the larva of the *Phalæna fasciana*.
Larva double cylindrical, inflected into a crescent, rough soft, head retractile.
- Euonymis* Black; incisures of the abdomen interruptedly yellow: wings ferruginous tipt with black.
Inhabits *Siberia*. *Lepechin. It. 1. tab. 17. fig. 1, 2.*
- Porreclius.* Black ; tip of the fore-thighs and shanks pale, the hind-ones tipt with black: sting as long as the abdomen.
Inhabits *Europe*. *Mus. Lesh. p. 72. n. 377.*
- Longicornis* Black : antennæ long ; legs rufous ; wings with a large semilunar brown spot.
Inhabits *Europe*. *Mus. Lesh. p. 72. n. 378.*
- Rufulus.* Black ; antennæ mouth 3 first segments of the abdomen and legs reddish.
Inhabits *Europe*. *Mus. Lesh. p. 68. n. 311—316*
Is subject to a few varieties in the colour of the legs.
- Discretus.* Black ; lower half of the first abdominal segment and upper half of the second and legs rufous.
Inhabits *Europe*. *Mus. Lesh. p. 68. n. 317.*
- Ulnulatus.* Black ; antennæ brown: legs reddish: abdomen pubescent, the first segment yellow with a black spot each side, 2, 3, yellow on the upper-part.
Inhabits *Europe*. *Mus. Lesh. p. 68, n; 318.*

- Stigma.* Black ; antennæ front jaws, sides of the breast and legs reddish : first segment of the abdomen yellow with 2 black dots.
Inhabits Europe. *Mus. Lesk. p. 68. n. 319.*
- Albicans.* Black ; antennæ whitish on the back ; base of the 4 fore-thighs front and mouth whitish : abdomen ferruginous clouded with brown and black at the base : legs reddish.
Inhabits Europe. *Mus. Lesk. p. 68. n. 320.*
- Subrufus.* Black ; antennæ reddish, the base black : legs and 3 first segments of the abdomen reddish.
Inhabits Europe. *Mus. Lesk. p. 69. n. 321.*
- Fuscipes.* Black ; 4 fore-thighs and hind-shanks brown : petiole of the abdomen long black, 2 first segments and fore-legs yellow.
Inhabits Europe. *Mus. Lesk. p. 69. n. 322.*
- Bifrons.* Black ; front white with a black spot beneath the antennæ petiole of the abdomen at the tip and 2 first segments and legs reddish.
Inhabits Europe. *Mus. Lesk. p. 69. n. 323.*
- Leucopis.* Black ; front and mouth white ; base of the abdomen and 2 first segments and legs reddish.
Inhabits Europe. *Mus. Lesk. p. 69. n. 324.*
- Pallidus.* Black : base of the antennæ front and mouth pale yellow : petiole of the abdomen and 3 first segments reddish, the first with a black spot : legs reddish.
Inhabits Europe. *Mus. Lesk. p. 69. n. 325.*
- Franciscus.* Black : legs and abdomen reddish ; tip of the petiole and upper-part of the first segment black.
Inhabits Europe. *Mus. Lesk. p. 69. n. 326.*
- Fusciceps.* Black ; abdomen yellow tipped with brown : legs yellowish-brown.
Inhabits Europe. *Mus. Lesk. p. 69. n. 327.*
- Leucotarsus.* Black ; antennæ beneath and mouth pale yellow : abdomen ferruginous, the base black ; legs reddish-yellow, white at both ends.
Inhabits Europe. *Mus. Lesk. p. 69. n. 328.*

- Brunneolus*. Black ; abdomen and legs reddish, hind-thighs chestnut : antennæ reddish, black at the base.
Inhabits Europe. *Mus. Lesk. p. 69. n. 329.*
- Pallens*. Black ; antennæ yellowish-brown : mouth whitish : abdomen reddish, black at the base : legs pale rufous.
Inhabits Europe. *Mus. Lesk. p. 69. n. 330.*
- Bitinctus*. Black ; abdomen and legs reddish.
Inhabits Europe. *Mus. Lesk. p. 69. n. 331.*
- Carbonarius*. Black ; antennæ and legs reddish-brown : abdomen ferruginous : black at the base.
Inhabits Europe. *Mus. Lesk. p. 69. n. 332.*
- Taiangulum*. Black : abdomen yellow with a triangular black spot at the base : legs livid : wings dusky.
Inhabits Europe. *Mus. Lesk. p. 69. n. 333.*
- Obscatus*. Black ; antennæ ferruginous with a white ring and tip with brown ; abdomen yellow black at the base : legs yellow, hind-thighs brown.
Inhabits Europe. *Mus. Lesk. p. 69. n. 334.*
- Nigricornis*. Black : antennæ with a white ring ; abdomen yellow, black at the base : thighs black : shanks ferruginous.
Inhabits Europe. *Mus. Lesk. p. 69. n. 335.*
- Lividus*. Entirely livid : sting as long as the abdomen.
Inhabits Europe. *Mus. Lesk. p. 69. n. 336.*
- Ruficornis*. Black ; front yellowish : antennæ abdomen and legs reddish.
Inhabits Europe. *Mus. Lesk. p. 70. n. 336.*
- Dentipes*. Black ; 4 fore-legs livid ; the hind-ones rufous the thighs toothed in the middle.
Inhabits Europe. *Mus. Lesk. p. 70. n. 339.*
- Lividicornis*. Black ; antennæ 4 fore-legs and hind-shanks livid, hind-thighs black : abdomen yellow, black at the base.
Inhabits Europe. *Mus. Lesk. p. 70. n. 340.*
- Flavescens*. Black ; mouth 4 fore-legs and hind-shanks yellowish : abdomen yellow : hind-thighs yellow-brown.
Inhabits Europe. *Mus. Lesk. p. 70. n. 341.*

- Lituratus.* Black; jaws and 4 fore-legs yellowish, hind-thighs reddish-black: hind-part of the first abdominal segment and 2, 3, 4. yellow, the second with a black spot.
Inhabits Europe. *Mus. Lesk. p. 70. n. 342.*
- Partitus.* Black; segments of the abdomen brown before and reddish behind, the third yellowish behind: mouth and 4 fore-legs yellowish.
Inhabits Europe. *Mus. Lesk. p. 70. n. 343.*
Hind-legs reddish-brown with black joints.
- Conformis.* Black: incisures of the abdomen and legs reddish.
Inhabits Europe. *Mus. Lesk. p. 70. n. 344.*
- Stramineus.* Black; front mouth and base of the 4 fore-thighs pale yellow: 4 fore-legs reddish-yellow, hind-ones rufous.
Inhabits Europe. *Mus. Lesk. p. 70. n. 345.*
- Difformis.* Black: abdomen compressed: legs rufous.
Inhabits Europe. *Mus. Lesk. p. 70. n. 348.*
- Pallidus.* Black; incisures of the abdomen and sides pale: legs dull yellow, the thighs black in the middle.
Inhabits Europe. *Mus. Lesk. p. 70. n. 346.*
- Similis.* Black: base of the antennæ yellow; legs reddish-yellow
Inhabits Europe. *Mus. Lesk. p. 70. n. 347.*
- Subtestaceus.* Black; abdomen with faint testaceous spots each side: legs reddish.
Inhabits Europe. *Mus. Lesk. p. 70. n. 349.*
- Fuliginosus.* Black; abdomen rusty-brown.
Inhabits Europe. *Mus. Lesk. p. 70. n. 350.*
- Erythrostruma.* Black; mouth 2 first incisures of the abdomen and legs reddish.
Inhabits Europe. *Mus. Lesk. p. 70. n. 351.*
- Unicolor.* Black; antennæ and legs reddish.
Inhabits Europe. *Mus. Lesk. p. 70. n. 352.*
- Cervinus.* Black; antennæ fore-part of the thorax sides and legs reddish-brown: abdomen brown.
Inhabits Europe. *Mus. Lesk. p. 70. n. 353.*

- Simplex.* Black ; antennæ and legs testaceous.
Inhabits Europe. *Mus. Lesh.* p. 70. n. 354.
- Melanopter-*
rus. Black ; abdomen depressed, the sides pale : wings black.
Inhabits Europe. *Mus. Lesh.* p. 70. n. 355.
- Heterogonus* Black ; 4 fore-legs testaceous, hind-ones brown with whitish joints.
Inhabits Europe. *Mus. Lesh.* p. 70. n. 356.
- Picatus.* Piceous ; abdomen subovate, pointed both ways : legs testaceous.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 357.
- Pictus.* Black ; mouth fore-part of the thorax and line each side 2 dots on the scutellum and legs reddish : hind-thanks white, black at the base.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 358.
- Striatus.* B. Black : antennæ brown : mouth scutellum and legs rufous : thorax with a white line each side.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 361.
- Dispar.* Black : 4 fore-legs reddish, hind-ones brown.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 363.
- Nigellus.* Black ; antennæ segments of the abdomen 2, 3, 4, and legs reddish.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 362.
- Chrysofictus* Black ; abdomen compressed brown ; 2 first segments with a yellow spot each side : base of the 4 fore-thighs and mouth yellow : legs rufous.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 364.
- Xanthures.* Black ; abdomen flat, 2 first segments yellow and brown behind ; sting yellow : legs testaceous.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 365.
- Imperialis* B. Black ; head second segment of the abdomen and tip and legs pale yellow.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 367.
- Celeratus* Black ; antennæ yellow : incisures of the abdomen ferruginous : legs rufous, hind-thanks and end of the hind-ones annulate with white.
Inhabits Europe. *Mus. Lesh.* p. 71. n. 368.

Sulphureus. Black ; abdomen beneath yellowish; 4 fore-legs pale yellow hind-ones reddish.

Inhabits Europe. *Mus. Lesh.* p. 71. n. 369.

Diversicolor Black : antennae and 4 fore-legs pale yellow ; hind-ones reddish, the shanks whitish tip with brown.

Inhabits Europe. *Mus. Lesh.* p. 71. n. 370.

Xanthomelas. Black : antennae and legs pale yellow.

Inhabits Europe. *Mus. Lesh.* p. 71. n. 371.

Hemipterus. Black ; second and third segments of the abdomen rufous : wings very short.

Inhabits France ; in dry gravelly soil.

Antennae ferruginous at the base : *abdomen* petiolate, the segment 1, 4, rufous at the base : *wings* whitish, upper-pair with a white spot : *legs* rufous, hind ones with black joints.

Agilis. Apterous, black : petiole of the abdomen and legs rufous.

Degeer. Inf. 2. tab. 31. fig. 18.

In the larvae of the *Ichneumon Aphidum*

Abdomen with a faint rufous band at the base.

Curfitans. Apterous, black ; fore-part of the abdomen and legs ferruginous.

Inhabits Sweden.

Antennae yellow tip with black.

Pulicarius. Apterous, black : thorax petiole and shanks rufous.

Inhabits Saxony ; minute.

Fasciatus. Apterous, rufous : head and band on the abdomen black.

Inhabits Saxony.

• *Acarorum* Apterous, rufous : head and hind-part of the abdomen black.

Degeer. Inf. 2. tab. 31. fig. 19, 20.

Inhabits Europe, in the larva of the *Curculio*.

Pedicularius. Apterous, rufous : head and hind-part of the thorax and abdomen black.

Inhabits Saxony; large:

Antennae yellowish tip with black : *sting* short.

Pedestris Apterous, black : abdomen rufous, the base and tip black.

Inhabits Sweden. *Legs* rufous.

Formicarius Apterous, rufous; head and abdomen black.
Inhabits Sweden.

Cursor. Apterous, black: base of the antennæ, long legs petiole of the abdomen and first segment at the tip testaceous.
Inhabits Austria. Schrank. Schr. Naturf. 1. p. 308.

85. SPHEX. Mouth with an entire jaw, the mandibles horny incurved toothed, lip horny membranaceous at the tip: feelers 4: antennæ with about 10 articulations; wings in each sex plane incumbent and not folded: sting pungent and concealed within the abdomen.

The insects of this genus are the most savage and rapacious of this class of beings: they attack whatever comes in their way, and by means of their poisonous sting overcome and devour others far beyond their own size. Those of the division B. are found chiefly on umbellate plants: the larva without feet soft and inhabits the body of some other insect, on whose juices it exists: the pupa has rudiments of wings.

A. Antennæ setaceous; lip entire, tongue o. Evania.

Appendigaster. Black; abdomen petiole very short and placed on the back of the thorax: hind-legs very long.
Reaum. Infr 6. tab. 31. fig. 13. Brown. Jam. 1. 44. f. 6.
Inhabits Europe, Africa and New Holland.

* *Maculata* Thorax spotted; first segment of the abdomen with a white dot each side, second edged with white.
Inhabits England Museum of Sir Jos. Banks.
Antennæ black: head black with a white line each side between the eyes: thorax elevated black, the fore-margin scutellum and dot each side white: abdomen black with 2 short white lines above the tail: legs rufous, thighs black at the base with a white dot: wings hyaline.

Fasciata. Black; abdomen with 2 white bands, the first interrupted: tail white.
Inhabits Italy.

Thorax black covered with silvery down on the fore-part, the fore-margin with a white line : *wings* white tip with brown.

Sessilis. Black ; abdomen short cylindrical sessile.
Inhabits *France*.
Legs ferruginous, thighs black : *wings* white with a black spot.

Minuta. Black ; abdomen petiole very short and placed on the back of the thorax : legs equal.
Inhabits *France*; resembles *Sp. appendigaster*
Head and thorax rough, *abdomen* polished.

Punctum. Black : tail with a white dot.
Inhabits *Italy*. *Wings* hyaline immaculate.

Nigrita. Black ; upper-wings with a brown band.
Inhabits *Europe*. *Mus. Lesk.* p. 72. n. 381.

B. *Antennæ* filiform ; lip emarginate, with a bristle each side : tongue inflected trifid.

a. *Abdomen* petiolate.

Lutaria. Black ; second and third segments of the abdomen rufous : lip silvery.
Inhabits *Kiel*. *Wings* hyaline.

Thomæ. Black ; abdomen rufous, the petiole and spot on the back black.
Inhabits *St. Thomas Island*.

Fervens. Black ; abdomen ferruginous : wings brown.
Inhabits *India*. Petiole black.

Cyanipennis Villous, blue ; fore-part of the thorax and abdomen grey : wings blue.
Inhabits *Cayenne* ; large.
Head blue, mandibles and antennæ black : *abdomen* bluish-grey, the petiole black : legs black, the joints yellowish.

Hæmorrhoidalis Black ; lip tail and legs ferruginous.
Inhabits *Africa*. In the Museum of Sir J. C. Banks.

Thorax hairy : *abdomen* smooth : *thighs* black at the base : *wings* blackish.

Argentea. Glossy-black : front villous silvery : wings white tip with brown.

Inhabits *Coromandel* ; large.

Legs black, a little reddish at the tip

Rufipennis Black ; wings ferruginous tip with brown.

Inhabits *Tranquebar* ; large.

Front covered with silvery down : *thorax* downy with a silvery dot before the wings.

Flavipennis Black ; front golden : abdomen rufous, the petiole and tip black.

Inhabits *Italy*.

Front covered with gold down : *thorax* with a rufous dot before the wings : *wings* yellowish, the tip darker ; *legs* black, the fore-ones with ferruginous shanks.

Pennsylvanica. Blackish ; abdomen full black wings inclining to violet.

Inhabits *America* and *New Holland*. *Degeer*. 2. tab. 30. fig. 2.

Violacea. Blue : wings white tip with brown : antennæ black.

Inhabits the *Cape of good hope*.

Front covered with silvery down.

Cyanea. Blue ; wings azure tip with brown : antennæ black.

Inhabits *North America*. *Degeer*. Inf. 3. tab. 30. fig. 6.

Aurulenta. Head and thorax covered with gold down : abdomen black, the base and legs rufous.

Inhabits *Tranquebar*.

Antennæ black, the first joint larger and ferruginous : petiole of the abdomen and 2 first segments rufous.

Tomentosa. Head and thorax covered with gold down : abdomen black the tail and hind-thighs rufous.

Inhabits *Sierra Leona*.

Antennæ black : wings white, the tip brownish.

Femorata. Blue ; abdomen black : hind-thighs rufous.

Inhabits *Italy*.

Antennæ black : abdomen petiolate : wings pale ferruginous.

Tibialis. Hairy, black-blue ; hind-shanks ferruginous : wings black.

Inhabits the *Cape of good hope*. In the museum of Sir *Jay. Banks*.

Antennæ black, ferruginous at the base.

Flavipes.

Flavipes. Villous, black with a yellow dot before the wings: legs yellow, thighs black.

Inhabits *America*.

Head brown, antennae black: abdomen petiolate: wings yellowish-brown.

Ara.

Black; lip silvery villous: wings as long as the abdomen.

Inhabits *Italy*. Abdomen with a long petiole.

Fagulus.

Smooth black: segments of the abdomen at the edges and lip lucid.

Inhabits *Upsal*, in holes of wooden partitions, abandoned by other insects; these it cleanses by gnawing round them, and placing a piece of moist clay at the bottom sticks a spider upon it: in the body of this spider it deposits its eggs and then closes up the entrance with clay and leaves it to be devoured by the larva.

Lanata.

Abdomen black, the first segment with a yellow lunule.

Inhabits *America*. *Degeer. Ins. 3. tab. 30. fig. 4.*

Antennae black, the first joint yellow: thorax spotted with yellow: legs yellow variegated with black.

Affinis.

Villous, black; first joint of the antennae scutell and shanks yellow.

Inhabits *America*; resembles the last.

Thorax spotted with yellow.

Jamaicensis Abdomen black, the first segment and edge of the others yellow.

Inhabits *Jamaica*.

Head black: first joint of the antennae yellow: thorax black spotted with yellow: fore legs yellow, hind-ones black with yellow joints.

Erythrocephala.

Black; head base of the petiole and legs ferruginous.

Inhabits *Malabar*. In the museum of Sir *Jos. Banks*.

Antennae brown, ferruginous at the base: thorax hairy, the fore-lobe and dot before the wings ferruginous: wings blue.

Spirifex.

Black; thorax hairy immaculate: petiole of one joint, yellow as long as the abdomen.

2. Petiole and joints of the legs half yellow.

Reaum. 6. tab. 28. fig. 5. Schacff. Icon. tab. 38. fig. 1.

Inhabits *Europe*, and *Egypt*; in cylindrical cavities wrought within like a honey-comb, on the sides of cliffs and in the mud walls of cottages.

- Madras-patana.* Black; thorax hairy spotted with yellow; petiole yellow, as long as the abdomen.
 Inhabits *Malabar*. In the museum of Sir *Jos. Banks*.
Lip covered with silvery down: 4 *fore-legs* yellow, the thighs black at the base; hind-ones yellow, the thighs and tip of the *thanks* black.
- Clavus.* Black; thorax spotted: abdomen blueish, the petiole long rufous with a black band.
 Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Antennæ black, the first joint rufous: *head* covered with grey down: *thorax* with a grey dot under the wings: first segment of the *abdomen* ferruginous, the petiole with a small tooth in the middle beneath: *legs* rufous.
- Holosericea* Black with silver down: abdomen ferruginous: the petiole black and tail blue.
 Inhabits *Barbary*.
Legs ferruginous, the hind-ones black: *wings* short cinereous with a callous rufous dot at the base.
- Pubescens.* Black with silver down: abdomen ferruginous with a black petiole.
 Inhabits *Guinea*, in ears of *grafs*.
- Cincta.* Black with silvery down: segments of the abdomen edged with white.
 Inhabits *Guinea*; small. *Wings* white.
- Lobata.* Green-blue; thorax with a distinct fore-lobe: wings sub-ferruginous.
 Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Antennæ brown: *thorax* elevated green, the lobe grooved behind: *legs* green tipped with brown.
- Ciliata.* Testaceous; abdomen blue: mandibles elongated ciliate.
 Inhabits *India*; size of the last.
Head blue between the antennæ: *thorax* with a bifid fore-lobe: *wings* dull blue.
- Compressa.* Shining-green; 4 hind-thighs compressed ferruginous.
 Inhabits *Malabar*. In the museum of Sir *Jos. Banks*.
Antennæ brown: *abdomen* blueish: *fore-legs* brown, 4 hind-ones blue: *wings* brown.

- Sibirica.* Polished brassy-green : abdomen blue.
Inhabits *Siberia*. Museum of Sir J^{os}. Banks.
Antennæ brown : *scutel* striate : *wings* brown : *legs* blue with green thighs.
- Ichnuemo-*
nea. Fulvous : abdomen black with a ferruginous base.
Inhabits *America*. Degeer. *Inf. tab.* 32. *fig.* 13.
Antennæ brown, the first joint fulvous : *head* and *thorax* covered with gold down : *legs* ferruginous.
- Hirtipes.* Hairy, dusky : abdomen shining black : wings testaceous.
Inhabits *Guinea*. *Legs* hairy black.
- Albifrons.* Glabrous, black : front covered with silvery down ; wings white with a black base.
Inhabits *Guinea* ; large.
- Maxillofa* Black ; with silvery down : abdomen ferruginous at the base : mandibles projected curved toothed.
Inhabits *Barbary* ; large.
Wings dull cinereous, darker at the tip : *legs* rufous with black thighs.
- Unicolor.* Dusky-brown with cinereous down.
Inhabits *Spain*, on umbellate flowers.
- Indoflav.* Black ; wings blueish-black with a hyaline thinner margin.
Inhabits *Europe* and *India*. *Mus. Lud. Ulr.* 407.
- Clavipes* Black ; petiole ferruginous clavate, of one joint : legs clavate.
Inhabits *Europe* ; small. *Fn. Succ.* 1640.
- Austriaca.* Black ; base of the abdomen with a sulphur band and 2 dots : legs varied with sulphur ; hind- thighs thickened.
Inhabits *Austria*. *Schranck. Auf.* p. 380. n. 770.
- Bidens.* Black ; head and antennæ ferruginous : abdomen with 4 yellow spots : thorax 2-spined.
Inhabits *Mauritiana* ; large.
First joint of the *antennæ* black ; *upper-wings* pale ferruginous, lower-ones blueish-hyaline.
- Infusca.* Black ; front mouth scutellum and 2 bands on the abdomen pale yellow.
Inhabits *Padua*, *Scopol. Delic. Inf. tab.* 23. *fig.* C.

Breeds in chimneys and windows, in the same nest with the *Ichneumon seductor*.

Wings hyaline, darker at the tip: *shanks* pale yellow tipped with black.

b. *Abdomen sessile*.

- Morio*. Black immaculate: wings dark brown.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Thorax toothed each side behind. *Front* sometimes grey and the first joint of the antennæ ferruginous.
- Collaris*. Black-blue; fore-lobe of the thorax fulvous.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Thorax with 2 denticles each side behind: *abdomen* and *wings* blue.
- Frontalis*. Black; front and fore-lobe of the thorax yellow.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Wings brown with a darker border.
- Analís*. Glabrous, black; abdomen ferruginous at the tip; wings white.
Inhabits *India*. In the museum of Sir *Jos. Banks*.
- Similis*. Glabrous, black: abdomen ferruginous at the tip: wings dark brown.
Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Legs black, tip of the hind-thighs and *shanks* ferruginous.
- Affinis*. Black; antennæ tail and legs rufous: wings blue, the base and tip white.
Inhabits *Tranquebar*.
Thorax with a ferruginous dot before the wings.
- Dimidiatum*. Black; head and fore-part of the thorax dull ferruginous: wings black.
Inhabits *Barbary*.
- * *Fusca*. Black, glabrous: base of the abdomen ferruginous.
Deger. 2. tab. 28. p. 6. *Gaea*. *Inj.* 1. tab. 58
Inhabits gravelly places in *Europe*: after having destroyed the larva of a moth, deposits its eggs in its carcass and then digs a hole and buries it.
- * *Vitacea*. Black, downy: fore-part of the abdomen ferruginous with black belts: wings brown.

Degeer. 2. tab. 28. fig. 16. Friech. 2. tab. 1. fig. 13.
 Resembles the last in its habits and economy.

Ursus. Black, hairy: second segment of the abdomen ferruginous:
 wings black.
 Inhabits——Size of the last.

Amethystina Blue; antennæ and legs black.
 Inhabits the Island of *Santa Cruz*. *Wings* blue.

Cingulata. Black; front streak on the fore-part of the thorax and
 edges of the abdominal segments cinereous.
 Inhabits *New Holland*. Museum of Sir *Jes. Banks*.
Thorax with 2 cinereous dots between the wings.

Nigra. Black; segments of the abdomen with lucid margins.
 Inhabits *Europe*, on flowers: small.

Labiata. Black: segments of the abdomen edged with cinereous:
 wings testaceous tip with brown.
 Inhabits *South American Islands*.
Head black, lip silvery: *lower-wings* white: *legs* black,

Variegata. Black spotted with white: thorax rufous under the scutel:
 wings tip with brown.
 Inhabits *Saxony*.
 Base of the *lip* and *orbits* white: *thorax* with 4 white spots:
abdomen with 2 white dots each side and abbreviated streak
 behind: *legs* black, thighs rufous: *wings* white tip with
 brown.

Sanguinolenta. Black; thorax rufous before and behind: segments of the
 abdomen lucid at the margins.
 Inhabits *Germany*; small.

Mixta. Black varied with yellow: abdomen yellow with 3 black
 bands.
 Inhabits *America*. *Fabric. Append. iv. p. 557.*
Antennæ rufous tip with black: *head* black, orbits mouth and
 frontal line yellow: *thorax* spotted with yellow: *legs* yellow:
upper-wings testaceous.

Maura. Black; hind-thighs rufous.
 Inhabits *Tranquebar*.

- Hyalinata.* Black; 4 hind-thighs rufous: wings hyaline.
Inhabits *Saxony*. 4 fore-shanks rufous.
- Fuscata.* Black; abdomen with a white transverse dot each side:
hind-thighs rufous: wings tipped with brown.
Inhabits *Saxony*.
- 6-punctata.* Black with 2 white dots under the scutellum and 4 on the abdomen: wings tipped with brown.
Inhabits *Italy*. *Fabric. Append. iv. p. 457.*
Thorax impressed: wings whitish tipped with brown
- Bifasciata.* Black, immaculate: wings white with 2 black bands.
Inhabits *Paris*. Body glabrous.
- Gibba.* Black; abdomen ferruginous tipped with brown: upper-wings brown at the tip.
Inhabits *Europe*.
- Fasciata.* Black; antennæ rufous: wings white with 2 brown bands.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Tip of the antennæ brown: lower-wings immaculate.
- Cinerea.* Cinereous; segments of the abdomen black at the base and brown at the tip.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Antennæ black: upper-wings tipped with brown.
- Tropica.* Black; second segment of the abdomen ferruginous.
Inhabits *America*. Orbits white.
- Fugax.* Thorax covered with gold down: abdomen ferruginous:
wings yellowish with a brown band,
Inhabits *New Zealand*. * Museum of Sir *Jos. Banks*.
Antennæ black: legs ferruginous.
- Aurata.* Head and thorax with gold down: abdomen black, the edges of the segments cinereous,
Inhabits *East India*
Antennæ black, the first joint longer and ferruginous: wings hyaline: legs ferruginous.
- Nitida.* Ferruginous; thorax golden behind: wings yellowish.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Antennæ black, ferruginous at the base.

- * *Rufipes*. Black; segments of the abdomen with a white dot each side: wings tipped with brown.
Inhabits *Europe*.
- 2-punctata*. Black, glabrous; abdomen with 2 white dots and band behind: wings tipped with brown.
Inhabits *Europe*; resembles the last.
Legs black, hind-thighs sometimes rufous.
- Nigricornis* Black; head and thorax rufous.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
- Exaltata*. Black; abdomen rufous tipped with black: wings brown at the tip with a white dot,
Inhabits *Europe*. *Antennae* convolute.
- Maculata*. Black; thorax spotted with white; first segment of the abdomen rufous, the rest with a transverse white line each side.
Inhabits *Kiel*; small.
Wings white tipped with black: *legs* rufous.
- Tricolorata* Black; abdomen with silky silver lunules each side, the base rufous the tip black.
Inhabits *Barbary*.
Wings whitish: *legs* rufous, thighs black.
- Guttata*. Black, glabrous; thorax spotted with white: abdomen rufous with transverse white dots and black before the tip.
Inhabits *Italy*; resembles *Sp. maculata*.
Mouth silvery, mandibles rufous at the base: *tail* rufous: *legs* black, *thanks* rufous.
- Abdominalis*. Black; thorax with a cinereous band before: abdomen rufous: wings tipped with brown.
Inhabits *Brazil*. In the museum of Sir *Jos. Banks*,
Front covered with cinereous down: *thorax* with a semicircular marginal band behind.
- Capeensis*. Black; antennæ *thanks* and wings testaceous, the latter tipped with brown.
Inhabits the *Cape of good hope*.
- Nigrita*. Black; wings blue.
Inhabits *Malabar*. In the museum of Sir *Jos. Banks*.

- Turcica.* Black ; thorax with a cinereous band before : abdomen rufous : wings black.
Inhabits *Brasilia*. In the museum of Sir *Jos. Banks*.
Head black, covered with cinereous down.
- Nigripes.* Black : abdomen ferruginous : wings dusky : legs black.
Inhabits *Africa*. In the museum of *Str Jos. Banks*.
- Villosa.* Black ; abdomen villous testaceous ; wings deep black ; legs rufous.
Inhabits *Malabar* ; small.
- Discolor.* Black ; glabrous : wings yellow tipped with black.
Inhabits *Barbary*. Middle of the *thorax* brown.
- Flava.* Black : head thorax and tail ferruginous : wings yellow tipped with brown.
Inhabits *East India*.
Antennae ferruginous : some of the abdominal segments sometimes yellow at the base.
- Bicolorata* Black ; head tip of the abdomen and wings yellow, the latter tipped with brown.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Antennae yellow : jaws black at the tip : *thorax* downy, black behind with 2 denticles each side : legs yellow, thighs black, hind-shanks with a rough dorsal line.
- Flavicornis* Black ; lip antennae and legs ferruginous.
Inhabits *Malabar*. In the museum of Sir *Jos. Banks*.
Wings blue : thighs black at the base : hind-shanks serrate.
- Speciosa.* Deep black : wings rufous tipped with white.
Inhabits—In the museum of Sir *Jos. Banks*.
Body black with a slight gloss of blue.
- Fulvipes* Black ; head fore-part of the thorax tail and legs rufous : wings fulvous tipped with blue.
Inhabits *India*.
Antennae rufous : wings with a subocellar hyaline dot in the middle, lower-ones with a blue hind-margin and tip.
- Nobilis.* Varied with silvery and black : wings white with 2 black bands.
Inhabits *Cayenne* ; large.
Head villous silvery : antennae black : thorax above black, beneath and at the sides with silver down : abdomen villous silvery, the

the segments edged with black: *legs* black: *lower-wings* brown.

Brevipennis Black; thorax ferruginous: abdomen with 6' white spots.
Inhabits *Barbary*. *Wings* short, and *legs* black.
2. Abdomen immaculate.

Ocellata. Black; legs testaceous: wings blue, with an ocellar ferruginous spot on the upper-pair,
Inhabits *Africa*. Museum of Sir. *Jos. Banks*.
Antennae black, the first joint thicker and piceous: *mouth* ferruginous: *hind-shanks* ferrate.

Ruficornis. Blue: antennæ rufous: legs black.
Inhabits *South America*,
First joint of the *Antennae* blue,

4-punctata. Black: antennae, streaks on the fore-part of the thorax, scutel, 4 dots on the abdomen and wings ferruginous.
Inhabits *Spain*; large.
Legs ferruginous, thighs and tip of the wings black,
Abdomen with sometimes 6 dots,

Cærulea. Blue; wings ferruginous, upper-pair whitish at the tip.
Inhabits *South America*. *Degeer*. *Inf.* 1, tab. 30, fig. 1,

Stellata. Blue: wings black, upper-pair with a rufous spot in the middle and whitish at the tip.
Inhabits *South America*.
Antennae black: wings with a blueish gloss, the rufous spot stellate; lower-ones immaculate.

Plumbea. Lead-colour; antennæ black: upper-wings tipped with brown.
Inhabits *Spain*; very small.
Segments of the *abdomen* black at the base: wings whitish: legs blackish, thighs plumbeous.

Peslinipes. Black, glabrous: fore-part of the abdomen ferruginous: fore-legs ciliate.
Inhabits *Europe*. *Fn. Suec.* 1654.

Variiegata. Entirely black: wings spotted with white.
Inhabits *Europe*. *Fn. Suec.* 1655.

Antarcticæ. Black; antennæ and legs ferruginous.
Inhabits the *Cape of good hope*: size of a wasp.

Palmipes.

- Palmipes* Black ; thorax with 2 yellow dots at the tip and one at the base ; fore-legs palmate.
Inhabits *Sweden* ; size of a common
Legs yellow, armed with 3-4 toes.
- Epbippica*. Black ; front blueish : abdomen with a double ferruginous band.
Inhabits *Sweden* ; size of a gnat.
Front hairy : *abdomen* glabrous : *fore-shanks* pale.
- Stigma*. Wings angular grey-brown, and reddish beneath with white spots.
Inhabits the *Cape of good hope*: small.
Antennae above ferruginous, beneath white : *wings* deeply indented, undulate with ferruginous beneath, the margin white interrupted ; upper-pair with a black dot above at the angle of the tail : *abdomen* grey.
- Indica*. Black : antennæ and legs ferruginous : wings blueish-black.
Inhabits *South America*. *Mus. Lud. Ulr.* 408.
- Colos*. Black ; antennæ and legs rufous : thorax green : wings with 2 black spots.
Inhabits *Sweden*. *Fn. Suec.* 1656.
- Mauritani-
ca*. Black ; head antennæ and legs ferruginous : wings ferruginous with a black border.
Inhabits *Mauritiana* : large.
- Cellaris*. Black ; wings brown with a white band in the middle and at the end : antennæ and legs testaceous.
Inhabits *Spain* ; size of an ant. *Neck* yellow.
- Coronata*. Abdomen black with 2 yellow belts and dots : head and thorax spotted with yellow.
Inhabits *Switzerland*. *Act. Up.* 4. p. 25. n. 42.
Wings hyaline, blackish at the tip : *legs* red yellow, thighs black at the base.
- **Xanthoce-
phalus*. Black : front yellow : abdomen and legs spotted with yellow.
Inhabits *England*. *Forst. Nov. Inf.* 1. p. 86.
Antennae yellow at the base : *wings* hyaline, brownish at the tip : joints of the *legs* blackish.

- *Spinefa.* Black; thorax with a spine each side behind: lip and breast silvery.
Inhabits *England*. *Wings* hyaline: *legs* rufous.
- Albomaculata.* Black; abdomen ferruginous at the base: wings brown with a white spot at the tip.
Inhabits *Austria*. *Schranck, Aufl. p. 383. n. 775.*
- Tricolor.* Black; segments of the abdomen 2, 3. testaceous, 4, 5, 6, dotted with white.
Inhabits *Austria*. *Schranck, Aufl. p. 383. n. 776.*
- Boops.* Black; 3 segments of the abdomen and tarsi testaceous.
Inhabits *Austria*. *Schranck, Aufl. p. 384. n. 777.*
- Torrentosa.* Black, downy: antennæ thick at the base: 3 first segments of the abdomen subferruginous, the base and tip black.
Inhabits *Europe*. *Mus. Lesk. p. 72. n. 389. b.*
- Coccinea.* Black; antennæ jaws tip of the abdomen and shanks scarlet: thorax with a tooth each side behind: wings yellow, the hind-margin brown.
Inhabits out of *Europe*. *Mus. Lesk. p. 72. n. 390.*
- Spinipe.* Black; hairy: wings yellow, the hind-margin brown with a black spot at the base of the upper-pair: segments of the abdomen 2, 3, 4, yellow on the hind-margin each side.
Inhabits — *Mus. Les. p. 72, n. 391. b.*
Antennæ yellow: *eyes* with a yellow line each side behind: *thorax* with a yellow transverse line before the wings: *scutellum* yellow: *thighs* black, yellow at the tip; shanks yellow and spinous.
- Guttato.* Black; with white lines and dots; wings pale yellow: legs rufous.
Inhabits — *Mus. Lesk. p. 73. n. 394. b.*
Crown white: 4 *hind-shanks* toothed.
- Leucomellis.* Black: wings white towards the hind-margin: first segment of the abdomen white each side, the third with an ovate white spot on the back: 4 hind-legs rufous.
Inhabits — *Mus. Lesk. p. 73. n. 395. b.*
- Melanochlora.* Black; abdomen ferruginous at the base.
Inhabits *Europe*. *Mus. Lesk. p. 73. n. 397.*

Testacea. Black; legs and abdomen testaceous, the latter brown at the tip.
Inhabits *Europe*. *Mus. Lesh. p. 73. n. 398.*

Caspa. Abdomen black with 4 yellow elevated bands, the 3 upper-ones intersected by a triangular black spot.
Inhabits near the *Caspian Sea*. *Lepech. It. 1. tab. 20. fig. 4.*

86. AMMOPHILA. Snout conic inflected, concealing a bifid retractile tubular tongue: jaws forcipated, 3-toothed at the tip: antennae filiform in each sex, with about 14 articulations: eyes oval: wings plane: sting pungent, concealed in the abdomen. *Sand-wasp.*

This genus is separated from that of the *Sphex*, on the authority of the Rev. Mr. KIRBY: in manners and economy, they resemble each other; and it is probable that many more of the Spheges might with propriety be removed into this genus. See *Linn. Transf. iv. p. 195. tab. 19.*

A

• *Vulgaris.* Antennæ of 13 joints inserted in a hollow on the front: petiole of the abdomen long 2-jointed; wings equal. *Sphex fabulosa. Linne and Fabricius. Donovan. iii. tab. 93. fig. 1. Degeer. 2. tab. 28 fig. 27.*
Inhabits *Europe* in sandy sunny banks, where it digs a hole with its fore-feet and buries the carcass of the larva of a moth or a half dead spider, in the body of which it has deposited its eggs, and then covers up the orifice.

• *Affinis.* Antennæ of 13 joints inserted in a hollow on the front: petiole of the abdomen 1-jointed: wings shorter than the body.
Inhabits *England. Linn. Transf. iv. p. 205.*
Thorax punctured, with 5 impressed lines.

• *Hirsuta.* Antennae of 14 joints: petiole of the abdomen 1-jointed: wings as long as the body.
Sphex arenaria. Linne and Fabricius.
Inhabits *Europe. Linn. Transf. iv. p. 206.*
Body black: shanks rough with bristles.

* *Argentea*. Antennæ of 14 joints: petiole of the abdomen 1-jointed: wings shorter than the body.

Inhabits *England*. *Linn. Trans.* iv. p. 208.

Abdomen black, rufous in the middle: legs rough with short hairs.

87. SCOLIA. Mouth with a curved sharp mandible, crenate within; jaw compressed projecting entire and horny; tongue inflected trifid, very short; lip projecting membranaceous at the tip and entire: feelers 4 equal short filiform; in the middle of the lip; antennae thick filiform, the first joint longer.

Atrata. Hairy, black: wings ferruginous tip with violet.

Inhabits *South American Islands*.

Antennae of the male longer cylindrical, of the female short incurved: abdomen ovate sessile.

Nigrita. Black; wings white with a black rib.

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

4-maculata Hairy black: abdomen with 4 fulvous spots.

Inhabits *North America*. *Drury. Inf.* 2. tab. 39. fig. 2.

Abdomen oblong, the second and third segments with 2 round yellow spots, the edges of the segments ciliate: wings brown with a violet gloss.

Flavifrons Black; front yellow: abdomen with 4 yellow spots.

Inhabits *Europe*. *Sulz. Hist. Inf.* tab. 27. fig. 3.

Antennae black or ferruginous: front yellow with a brown spot in the middle: thorax black with 2 yellow dots on the scutellum.

6-maculata Hairy black: abdomen with 3 pair of yellow spots.

Inhabits *Italy*. *Scopoli. Delic. Inf.* 3. tab. 22. fig. 7.

Eyes with a yellow spot before and behind: male with the wings testaceous tip with blue.

Hæmorrhoidalis. Hairy black: abdomen with 2 yellow bands: fore-part of the thorax and tail with ferruginous hairs.

Inhabits *Saxony*.

Wings subtestaceous tip with brown.

Rufiginosa.

Rubiginosa. Black ; third segment of the abdomen with 2 fulvous spots hind-ones with ferruginous hair, tail 3-toothed.
Inhabits *East India*. *Wings* blue.

Ruficornis. Black ; antennæ fulvous : wings blue.
Inhabits *Senagal* ; large.
First joint of the antennæ black.

Variegata. Black : spotted with yellow : first segment of the abdomen yellow, 2, 3, 4, 5. with 2 yellow spots, the rest immaculate ; tail 3-toothed.
Inhabits *Cayenne* : large.
Antennæ black ; head and lip yellow : thorax black spotted with yellow : wings dusky : legs black spotted with yellow.

2-maculata. Hairy black ; abdomen with 2 yellow spots : antennæ yellow.
Inhabits *North America* and *Spain*.
First joint of the antennæ black : wings tip with brown.

Ciliata. Black ; segments of the abdomen with a ciliate fulvous margin.
Inhabits *Spain* ; large.
Legs black covered with golden hair.

Aurea. Hairy ferruginous : head black : wings dusky.
Inhabits *Barbary*. Tail entire.

Ferruginea. Hairy ferruginous : wings tip with brown.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Wings ferruginous : body covered with ferruginous hair.

Scutellata. Black ; thorax fulvous and slightly toothed behind : abdomen with 4 fulvous spots.
Inhabits *Naples* ; size of the last.
Thorax black before and fulvous behind, the margin nearly 5-toothed : all the legs black.

Radula. Black ; hairy : abdomen with 4 yellow bands.
Inhabits *America*. *Drury. Inf. 1. tab. 45. fig. 1.*
Thorax spotted with yellow : abdomen blue : wings dusky.

Tridens. Black : abdomen with 3 yellow bands, tail 3-toothed.
Inhabits *Italy*.
Fore-lobe of the thorax yellow each sides.

Hortorum. Black ; abdomen with 2 yellow bands : wings ferruginous tip with blue.

Inhabits *Spain.* *Cyrill. Ent. Neap.* 2. tab. 1. fig. 3. 4.

Unifasciata. Hairy, black : abdomen with a yellow band : wings ferruginous at the base and brown at the tip.

Inhabits *Barbary.* Tail 3-toothed.

Maura. Deep black ; wings blackish : tail 3-toothed.

Inhabits *Barbary.* Tip of the wings paler.

Collaris. Hairy, black : crown fore-part of the thorax and 2 bands on the abdomen cinereous

Inhabits *Spain.* Wings deep black.

5-fasciata. Hairy ; abdomen blue with 5 yellow bands, tail 3-toothed. Inhabits *Africa.* In the museum of Sir *Jos. Banks.*

Antennae black: head and thorax downy cinereous: wings brownish : legs hairy brown, fore-thanks yellow without.

2-cincta. Hairy, black : abdomen with yellow bands : wings black-blue.

Inhabits *America.* *Sulz. Hist. Inf. tab.* 27. fig. 4.

The second abdominal band is sometimes interrupted.

Notata. Black : abdomen with 2 yellow bands, the first with a black dot each side.

Inhabits *Italy.*

Head with 2 yellow spots on the front, the lateral ones lunate : abdomen with a pair of small yellow dots behind the bands ; wings blue.

5-tincta. Cinereous hairy ; fore-edge of the thorax and scutellum yellow : abdomen blue with 5 yellow bands, tail 3-toothed.

Inhabits *Italy*; resembles *Sc. 5-fasciata.*

Verticalis. Hairy black : crown fulvous.

Inhabits *New Holland.* In the museum of Sir *Jos. Banks.*

Crown with 3 black stigmata : wings blueish.

4-pustulata. Black ; abdomen with 4 rufous dots : wings blue.

Inhabits *Malabar.* Museum of Sir *Jos. Banks.*

5-punctata. Black ; abdomen rufous in the middle, the tip black with 5 white dots.

Inhabits

Inhabits *Germany* ; small.

Antennae pedicellate : *head* with a small white dot in the orbits : *thorax* with a white dot each side : *abdomen* with 5 white dots 2, 2, 1, the middle ones very small : *legs* short.

3-guttata. Black ; abdomen with 2 transverse white dots : wings black.

Inhabits *Spain*, on the *Allium Cepa*.

4-guttata. Black ; abdomen with 4 white dots : wings hyaline.

Inhabits *Germany*.

Antennae ferruginous beneath : *head* black, front white.

6-guttata. Black ; abdomen with 6 white dots ; wings hyaline.

Inhabits *Germany* ; small.

Wings white with a black costal dot.

Prisma. Black ; abdomen with 3 yellow bands, the first and last interrupted, and a yellow dot at the tail.

Inhabits *Saxony* ; small.

Thorax with a yellow dot each side : *abdomen* with 3 yellow dots each side beneath.

4-punctata. Black : abdomen with 4 white dots ; wings ferruginous tip with brown.

Inhabits *Italy* ; small.

Body hairy : *abdomen* with 2 dots each side.

Sexcincta. Black spotted with yellow : abdomen black with 6 yellow streaks.

Inhabits *South American Islands*.

Head black, lip ferruginous : *thorax* black spotted with yellow : *legs* ferruginous.

Interrupta. Black with cinereous hair : abdomen black with 6 yellow bands, the 3 upper-ones interrupted ; tail 3-toothed.

Inhabits *Italy*. *Scop. Fn. Inf.* 1. tab. 22. fig. 8.

Lip with a yellow line each side at the base : *thorax* with 3 yellow dots on the scutellum : fourth band of the *abdomen* with a black dot each side : *legs* black, 4 fore-thanks yellow above ; *wings* whitish, the rib of the upper-pair ferruginous.

Senilis. Cinereous hairy : tail 5-toothed brown.

Inhabits *Barbary*.

Lip yellow with a black spot in the middle : *wings* hyaline with a ferruginous rib.

7-cincta. Cinereous hairy: abdomen blueish with 7 yellow bands, tail 3-toothed.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Tail with a short recurved sting: wings brown.

Cylindrica. Black; edge of the segments of the abdomen and lateral dot near the edge yellow.

Inhabits *Italy*.

In the yellow lateral dot is a small black one: legs black, fore-shanks yellow: sting short recurved.

Bifasciata. Black; scutel and 2 dots on the thorax ferruginous: abdomen with 2 interrupted ferruginous bands.

Inhabits *New York*. *Act. Stockh.* 1787, 4. n. 2, 35.

Vespiiformis. Ferruginous; 5 segments of the abdomen black on the fore-part: wings dirty yellow with a black base and tip.

Inhabits *China*. *Act. Stockh.* 1787, 4. n. 2, 36.

88. THYNNUS. Mouth horny with an incurved mandible, the jaw short and straight: lip longer than the jaw, membranaceous at the tip and trifid, the middle division emarginate: tongue very short involute: feelers 4, equal, filiform: antennæ cylindrical, the first joint thicker.

Dentatus. Abdomen black, the segments 2, 3, 4. with 2 white dots.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Size of a common wasp. Antennæ brown, piceous at the base: lip yellow, mandibles yellow tipped with black: thorax black with a yellow scutel streak before and hind-lobe and in the middle 2 impressed lines: tail with 7 small denticles..

Emarginatus. Abdomen black, the segments with an interrupted yellow band except the first and last; scutel emarginate.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Head yellow with 2 black lines and a streak: thorax ferruginous with a yellow streak before and 2 black ones behind: tail 7-toothed.

Abdominalis. Black; abdomen ferruginous: scutel emarginate.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Head slightly pubescent: wings black: tail entire.

Integer.

- Integer*. Black; edges of the abdominal segments covered with cinereous down; tail entire.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Head pubescent: *scutellum* truncate obtuse.

89. **LEUCOPSIS**. *Mouth* horny with short jaws, the mandible thick and 3-toothed at the tip; *lip* longer than the jaw, membranaceous and emarginate at the tip; *feelers* 4, short equal filiform: *antennæ* short clavate: *thorax* with a long lanceolate scale beneath: *wings* folded: *sting* reflected and concealed in a groove of the abdomen.

- Gigas*. Black; thorax with 2 dorsal yellow dots: abdomen sessile with 4 yellow bands.
Inhabits *France*. *Vill. Entom.* 3. tab. 8. fig. 18.
Wings dusky: *hind-thighs* with numerous teeth.

- Dorsigera*. Abdomen, sessile black with 2 yellow bands and a dot between them.
Inhabits *Italy*. *Vill. Entom.* 3. tab. 8. fig. 17.
Head black: *thorax* gibbous black with a double transverse yellow line: *abdomen* compressed and grooved on the back: *sting* double, as long as the abdomen, and reflected back into the abdominal groove: *legs* yellow spotted with black, *hind-thighs* toothed, with a black spot.

- Petiolata*. Black; abdomen petiolate ferruginous, the petiole with a yellow dot each side.
Inhabits *Tranquebar*.
Thorax elevated, with 2 yellow streaks before; under the *scutellum* a yellow dot: second segment of the *abdomen* edged with yellow, the tail black: *legs* black edged with yellow: *wings* black.

- Cælogaster*. Abdomen sessile: scale of the thorax half as long as the abdomen.
Inhabits *Germany*. *Schwarzsch. Naturf.* 3. tab. 8. fig. 4, 5.
Thorax with a yellow band behind: eyes black.

90. TIPHIA. *Mouth* with a membranaceous rounded jaw, the mandible arched and acute: *tongue* 0: *feelers* 4, filiform unequal and inserted in the middle of the lip: *antennæ* filiform short convolute: *sting* concealed within the abdomen.

A. *Jaw vaulted; lip membranaceous emarginate.* Larra.

Vespiformis. Black; abdomen ferruginous, black at the base: wings blue.

Inhabits *Malabar*.

Head and *antennæ* ferruginous: *wings* greyish at the tip.

Erythrocephala. Black; head ferruginous: wings blue.

Inhabits the *Cape of good hope*. British museum.

Cincta. Black; abdomen piceous, the second and third segments edged with yellow.

Inhabits——In the British museum.

Head and *thorax* covered with cinereous down.

Ichneumoniformis. Black; first and second segments of the abdomen rufous.

Inhabits *Hungary*.

Crassicornis. Black; abdomen with 3 ferruginous bands: legs ferruginous: wings blue.

Inhabits *Spain*.

First joint of the *antennæ* rufous: *thorax* with a villous ferruginous dot before the wings.

4-pustulata. Black; abdomen with 4 rufous dots: wings blue.

Inhabits *Tranquebar*.

Tongue trifid: *body* black: *wings* blue.

Rufifrons. Hairy, black: head rufous: abdomen with 3 yellow spots each side.

Inhabits *India*.

Mouth black: *wings* dull blue: *legs* black.

B. *Jaw rounded; lip horny 3-toothed.*

* *Femorata*. Black ; 4 hind-thighs angular rufous.

Inhabits *England* ; small.

Thorax punctured, a little downy : *abdomen* oblong glossy-black : *flanks* dull ferruginous, the ends of the legs blackish : *wings* brown.

Histrionica. Black ; *thorax* spotted : *abdomen* with 5 yellow bands, the 2 first interrupted.

Inhabits *Cbina* ; large.

Lip with 2 small yellow dots and a lunule each side behind the eyes : *thorax* with a yellow fore-lobe and 2 scutellar dots : *legs* hairy black.

Flavipes. Black ; fore-margin of the *thorax*, *scutel*, edges of the abdominal segments and legs ferruginous.

Inhabits *Barbary*.

First and second joints of the *antennæ* ferruginous : *head* black, *lip* yellow, front with silvery down : *wings* hyaline with a yellowish rib.

Maculata. Black : *thorax* spotted with yellow : segments of the *abdomen* with 2 yellow spots : *antennæ* and legs rufous.

Inhabits *America*.

Antennæ and mandibles ferruginous : *head* round, margin of the *lip* and streak between the *antennæ* chestnut : *wings* yellowish.

* *5-cincta*. Black ; *thorax* spotted : *abdomen* with 5 yellow bands, the second interrupted.

Inhabits *England*. Museum of Sir *Jos. Banks*.

Antennæ yellowish tip with brown : *legs* yellow, thighs angular.

Variegata. *Thorax* varied with black and yellow : *abdomen* yellow.

Inhabits *Siberia*. Museum of Sir *Jos. Banks*.

Antennæ black : *head* black, mouth yellow, front covered with silvery down : *abdomen* yellow with a black band or two, tail black.

Annulata. Black with cinereous down : *abdomen* deep black, the segments edged with cinereous fringe.

Inhabits *Cbina*.

Legs rufous, thighs angular : *wings* dusky tip with brown.

Hæmorrhoidalis. Black ; *abdomen* with 5 yellow spots each side, tail and legs rufous.

Inhabits *America*.

Head black spotted with yellow : *thorax* spotted with yellow.

- Nigra*. Black ; wings shining brown.
Inhabits——middle-sized.
Head and fore-part of the thorax with ferruginous down.
- Atra*. Black immaculate.
Inhabits Europe. *Mus. Lesh.* p. 73. n. 398.
- Ephiphium*. Black ; thorax with a rufous dorsal spot.
Inhabits America. Wings brown.
- Radula*. Hairy black ; thorax reddish before: second and third segments of the abdomen yellow.
Inhabits New Holland. Museum of Sir Jof. Banks.
Margin of the abdominal segments fringed, the fringe of the third and fourth gold, of the rest white: legs black, thighs angular: wings blue.
- Dorjata*. Black: second and third segments of the abdomen yellow on the back.
Inhabits Coromandel. Wings brownish: legs hairy.
- Ruficornis*. Ferruginous spotted with black: abdomen yellow with 4 black bands.
Inhabits Tranquebar.
Head black with 2 ferruginous dots on the front, lip yellow: thorax ferruginous with a yellow fore-margin and 3 black lines: scutell black at the base: legs yellow, thighs ferruginous: wings brown.
- Trifasciata* Black ; abdomen with 3 yellow bands: wings ferruginous.
Inhabits the Island Santa Cruz.
- Tricincta*. Black ; abdomen with 3 yellow bands: tail and legs ferruginous.
Inhabits America.
Front covered with cinereous down: thorax with 2 dots each side the scutell: first joint of the antennæ ferruginous: wings white with a ferruginous rib.
- Collaris*. Black ; head and fore-part of the thorax downy cinereous: wings tipped with blue.
Inhabits China and Malabar.
- Morio*. Black ; wings brown: hind-thighs with a thick cinereous beard.
Inhabits Spain. Tail and wings brown.

- Villosa.* Black with scattered cinereous hairs.
Inhabits *Hungary*. Probably the same as *T. atra*.
- Pedestris.* Apterous, black variegated with yellow: thorax compressed.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Head above black, beneath and front yellow: *thorax* yellow on the back with a black curve: *breast* yellow: *abdomen* yellow, the first 4 segments black with a yellow band, the fourth black with a yellow lateral spot: *tail* prominent, with 2 ovate valves: *legs* yellow, thighs compressed carinate black.

91. CHALCIS. *Mouth* with a horny compressed jaw: *feelers* 4, equal: *antennae* short cylindrical fusiform, the first joint a little thicker: *thorax* gibbous, lengthened behind in the place of the scutel: *abdomen* rounded and slightly petiolate.

- Sisipes.* Black; petiole of the abdomen and hind-thighs yellow.
Inhabits *Europe*. *Sulz. Hist. Inf. tab. 27. fig. 1.*
Hind thighs clavate toothed, yellow with a large black spot, those of the *female* simple.

- Clavipes.* Black: hind-thighs thick and rufous.
Inhabits *Saxony*. *Hybn. Naturf. 24. tab. 2. fig. 23.*
Four *fore-thighs* black with ferruginous tips; hind-ones clavate, the club rufous, shanks incurved black.

- Spiformis.* Cinereous; abdomen black: hind-thighs thick testaceous with a tooth at the end.
Inhabits—Size of a common Bee.
Antennae black, ferruginous at the base: *head* villous cinereous, lip yellow with a black streak.

- Minuta.* Black; hind-thighs thick and tipped with yellow.
Inhabits *Germany*; small.
Hind-thighs ferrate: *shanks* incurved yellow tipped with black.

- Punctata.* Yellow dotted with black; hind-thighs clavate toothed; abdomen conic.
Inhabits *South American Islands*.
Thorax with black spots and dots: *abdomen* tipped with black
hind-thighs with a black dot at the base and tip: *wings* white.

Podagrica. Black; hind-thighs thick ferrate ferruginous with a white spot at the tip.

Inhabits *Tranquebar*. *Hybn. Naturf.* 24. tab. 2. fig. 24.

Thorax with a black callous dot before the wings: *legs* white, thighs black: *hind-thighs* with a large white spot above, shanks incurved white, black in the middle.

Ænea. Black; abdomen conic deep glossy-black: hind-thighs thick immaculate.

Inhabits *Italy*. *Wings* white.

Pufilla. Glossy-black; hind-thighs thick with a white dot at the tip.

Inhabits *Saxony*. *Hybn. Naturf.* 24. tab. 2. fig. 25.

Annulata. Black: hind-thighs thick toothed with a white dot at the tip, shanks white annulate with black.

Inhabits *America*. In the pupa of Moths.

Thorax subvillous with a snowy dot before the wings: *fore-legs* white, the thighs with a black base, shanks with a black ring.

Flavipes. Black; hind thighs thick ferrate, with a yellow spot at the tip: legs yellow.

Inhabits *South American Islands*.

Thorax punctured, with a yellow dot before the wings: *wings* hyaline: *thighs* black at the base.

Maculata. Yellow spotted with black; segments of the abdomen ferruginous at the base: hind-thighs clavate immaculate.

Inhabits *Cayenne*; small.

Antennae black, the first joint testaceous: *head* with a black line in the middle and 4 dots: *thorax* with a black line and 3 dots: *legs* yellow, thighs black at the base.

92. CHRYSIS. Mouth horny projecting; lip much longer than the jaw which is linear, membranaceous and emarginate at the tip: *tongue* 0: *feelers* 4, unequal filiform; *antennae* short filiform, of 12 articulations, the first longer: *body* gilt polished: *abdomen* arched beneath with a scale each side: *tail* generally toothed: *sting* pungent, nearly concealed; *wings* flat.

Golden-fly.

These are generally found in holes of old walls.

Splendida.

- Splendida*. Green-blue : tail 4-toothed blue.
Inhabits *Tranquebar* and *New Holland*.
Crown impressed : thorax gibbous punctured, with 2 grooves :
scutellum concave : legs green, the ends brown.
- Smaragdula*. Green ; tail 6-toothed blue.
Inhabits *North America*. Museum of Sir *Jos. Banks*.
- Festiva*. Green-bronzed : tail ferrate blue.
Inhabits *Guinea* ; less than the last.
Body rough : antennae black, the first joint brassy : tail ferrate
with numerous small teeth.
- Calens*. Blue : abdomen gold, tail 4-toothed blue.
Inhabits *Europe*. *Cyrill. Ent. Neap.* 1. tab. 4. fig. 2.
Antennae brown : legs blue tipped with brown.
- Scutellaris*. Blue ; scutellum and abdomen gold, tail blue.
Inhabits *Italy*. *Fabric.* iv. *App.* p. 458.
Antennae black ; legs blue.
- Oculata*. Green ; abdomen with a blue-gold spot each side : tail 6-
toothed, blue.
Inhabits *Tranquebar*.
Antennae black ; eyes brown : thorax punctured, toothed behind
each side : legs green, brown at the ends.
- Lyncea*. Green : second segment of the abdomen with a blueish eye
each side : scutellum prominent acute.
Inhabits *Sierra Leona*.
Head grooved : antennae brown : eye on the abdomen with a
fulvous pupil : tail 4-toothed blueish : legs green, the ends
black.
- Carnea*. Glabrous, black : thorax and first segment of the abdomen
green, the rest flesh-colour : tail ferrate.
Inhabits *Italy*. *Ross. Fn. Etrusc.* 2. tab. 8. fig. 5.
Head green, lip villous silvery : antennae black . thorax rough
pointed behind each side.
- * *Fulgida*. Glabrous, polished : thorax and first segment of the abdomen
blue, the rest gold : tail 4-toothed.
Inhabits *Europe* ; larger than *Ch. ignita*.
- Purpurata*. Glabrous, golden : abdomen with a purple band in the mid-
dle : tail ferrate purple.

Inhabits *Saxony*.

Antennae brown: *thorax* rough golden with 3 purplish lines in the middle: *legs* gold.

**Ignita*. Head and thorax green-blue: abdomen golden, 4-toothed at the tip.

Inhabits *Europe*. *Donovan's Engl. Inf.* 1. *tab.* 7.

**Bidentata* Thorax and last segment of the abdomen blue, the 2 first golden: thorax 2-toothed.

Inhabits *Europe*. *Donovan*. 1. *tab.* 12. *Degeer*. *tab.* 29. *f.* 3. 4.
Tail with 3 short teeth: ends of the *legs* brown.

Integra. Green: abdomen gold, the base and tip green, tail entire.

Inhabits *Spain*. *Abdomen* beneath green.

**Succincta*. Glabrous green; thorax with a scarlet band: abdomen gold, slightly 3-toothed.

Inhabits *Europe*.

Gloriosa. Glabrous, golden; head breast and legs blue-green.

Inhabits *Barbary*.

Antennae green-blue: *head* green, front golden: *tail* entire.

Lucidula. Glabrous green: fore-part of the thorax and abdomen golden; tail entire.

Inhabits *Europe*: small.

Antennae black: *wings* brown with a marginal black dot.

Fervida. Glabrous, golden: abdomen beneath black.

Inhabits *India*; small. *Legs* black.

Enca. Glabrous, bronzed: antennae and legs brown.

Inhabits *Saxony*; small. *Wings* tipped with brown.

**Aurata*. Glabrous: thorax green; abdomen golden, tail 2-toothed.

Inhabits *Europe*. *Schaeff. Icon.* *tab.* 42. *fig.* 5. 6.

Regia. Glabrous; thorax blue: abdomen golden, tail entire.

Inhabits *Kiel*; size of *Ch. aurata*.

Antennae black: *wings* dusky.

**Cyanea*. Glabrous; thorax and abdomen blue.

Inhabits *Europe*. *Donovan. Eng. Inf.* vii. *tab.* 235.

Nitidula. Green; thorax 2-toothed behind: tail 4-toothed.

Inhabits *America*. In the museum of Sir *Jos. Banks*.

Amethys-

- Amesbysina.* Green ; tail 4-toothed blue : wings brown.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Antennae brown, green at the base : *scutel* concave.
- Viridular* Glabrous, green ; thorax and 2 first segments of the abdomen golden on the back: tail 4-toothed.
Inhabits *Europe*. *Fu. Suei*. 1668.
- Cyanochrysa.* Glabrous, green-gold : head and thorax blue ; tail 4-toothed: wings brown.
Inhabits *Spain*. *Forst. Nov. Ins.* 1. p. 88.
- Cyanura.* Glabrous, green: thorax 2-toothed: abdomen green 4-toothed, tip with blue.
Inhabits *Spain*. *Forst. Nov. Ins.* 1. p. 89.
Antennae black : wings and *tarsi* brown.
- Beryllina.* Head greenish-blue ; thorax blue, the fore-part greenish and 2-toothed behind : abdomen blue-green with a reddish shade : legs blue with testaceous dot.
Inhabits *Europe*. *Mus. Lesk.* p. 73. n. 491.
- Thalassina.* Head green-blue ; abdomen gold, the last segment green blue and 4-toothed: thorax gold with a square green spot in the middle and green behind.
Inhabits *Europe*. *Mus. Lesk.* p. 73. n. 402.
- Inermis.* Blue ; fore-part of the thorax green : abdomen gold entire.
Inhabits *Europe*. *Mus. Lesk.* p. 73. n. 405.
- Chrysorhousa.* Green ; last segment of the abdomen gold, entire.
Inhabits *Europe*. *Mus. Lesk.* p. 73. n. 406.
- Leskii.* Green with a green-gold spot before the scutel : abdomen green-gold, entire.
Inhabits *Europe*. *Mus. Lesk.* p. 74. n. 408.

93. VESPA. Mouth horny, with a compressed jaw: feelers 4, unequal filiform; antennae filiform, the first joint longer and cylindrical: eyes lunar: body glabrous: upper-wings folded in each sex: sting pungent concealed in the abdomen.

Wasp
These.

These live mostly in numerous societies, constructing curious nests or combs, generally under ground; they prey upon other insects, especially bees and flies, and devour meal bread and fruit: the *larva* is soft, without feet and feeds on the nectar of flowers and honey: the *pupa* quiescent and has the rudiments of wings.

A. *Tongue simple or o.*

a. *Lip furnished with a bristle each side.*

- Cincta*. Black; thorax with 2 dusky spots each side: abdomen deep black with a ferruginous band.
Inhabits *Tranquebar*. *Sulz. Hist. Inf. tab. 27. fig. 5.*
Wings ferruginous, black at the base.
- Affinis*. Black; thorax with 2 dusky spots each side: abdomen black, the 2 first segments ferruginous.
Inhabits *China*; resembles the last.
- Ephippium*. Abdomen ferruginous, the second segment larger and black: scutell 3-toothed.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Antennae ferruginous, the first joint brown: *thorax* black, the fore-lobe ferruginous, 2 toothed behind: *upper wings* ferruginous tip with violet, lower-ones immaculate at the tip.
- Orientalis*. Ferruginous: abdomen with a yellow band in which are 2 black dots.
Inhabits the *East*. *Drury. Inf. 2. tab. 139. fig. 1. ?*
- Tricincta*. Ferruginous; abdomen black with 3 interrupted yellow bands.
Inhabits *America*. In the museum of Sir *Jos. Banks*.
Larger than *V. crabro*. *Antennae* black, the first joint ferruginous: *head* ferruginous, crown brown, upper-lip yellow: *thorax* brown; *wings* subferruginous: *stanks* ferrate on the back.
- Anal.* Blackish; first and second segments of the abdomen ferruginous at the base, sixth entirely yellow.
Inhabits the *Cape*. In the museum of Sir *Jos. Banks*.
Large. *Antennae* brown, ferruginous at the tip: *head* black, crown piceous: *thorax* varied with piceous and black: *wings* ferruginous, the rib black at the base: *legs* brown.
- Carolina*. Thorax with 3 black lines: body ferruginous: upper-wings blackish.
Inhabits *America*; size of *V. Crabro*.

- Coronta.* Ferruginous ; abdomen and wings black : mandibles projecting, longer than the head.
 Inhabits *Africa*. *Drury. Inf. 2. tab. 48. fig. 3.*
Thorax with a black dorsal spot : *mandibles* in one sex horned :
- *Crabro.* Thorax black, the fore-part rufous immaculate ; incisures of the abdomen with a double contiguous black dot. *Hornet.*
Reaum. Inf. 4. tab. 10. fig. 9. and 6. tab. 18. fig. 1.
 Inhabits *Europe*, and makes its nest in the trunks of hollow trees or in the timber work of lofts : the *sting* is extremely painful.
- *Vulgaris.* Thorax black with an interrupted yellow line each side ; scutellum with 4 yellow spots : abdomen yellow, the incisures with distinct black dots
Dowson. vii. tab. 226. Reaum 6. tab. 12. fig. 7. 8.
 Inhabits *Europe*, in large societies produced by a single female and preys on flies, bees, their honey, meat and fruit : the *males* have no sting.
- Germanica* Thorax black with an interrupted yellow line each side ; scutellum with 4 yellow spots : abdomen yellow, the first segment with 3 spots the others with a transverse indented one.
 Inhabits *Kiel* ; less than a common wasp.
Mandibles yellow : *lip* yellow with a black dot in the middle : *head* with 3 yellow spots : *scutellum* with 4 yellow dots and a lunule each side under the wings : *legs* yellow, thighs black.
- Saxonica.* Thorax black with a yellow line each side ; scutellum with 4 yellow spots : incisures of the abdomen black at the base and tip with yellow.
 Inhabits *Germany* ; resembles *V. vulgaris*.
Antennae black, the first joint yellow beneath : *lip* yellow with a black dorsal line, mandibles yellow, and a yellow spot between the antennae : *legs* yellow, thighs black.
- Gallica.* Thorax black with a yellow line each side and 2 dots ; scutellum with 6 yellow spots : incisures of the abdomen yellow, the second with 2 black spots.
 Inhabits *Europe* ; less than *V. vulgaris*.
Legs yellow, thighs black at the base.
- Holstetica.* Thorax black with a yellow line each side : scutellum with 2 black dots : abdomen yellow, the upper-segments black at the base.

Inhabits *Kiel*; half the size of *V. vulgaris*.

Antennae black, the first joint yellow beneath: *lip* yellow with a black dot in the middle: *head* black with a yellow spot between the antennæ: *legs* yellow, thighs black tipt with yellow.

Rufa.

Thorax black with a yellow line each side: scutel with 2 yellow dots: abdomen yellow, the fore-part ferruginous.

Inhabits *Northern Europe*.

Norvegica

Thorax black with a yellow line each side: scutel immaculate: segments of the abdomen edged with yellow, the second with a rufous spot each side.

Inhabits *Norway*.

Head black, mouth yellow: *thorax* pubescent.

Bicolor.

Yellowish: antennæ crown middle of the thorax and tail brown.

Inhabits *China*; size of *V. vulgaris*.

Antennae above brown, beneath yellow: *mandibles* tipt with black: *legs* yellow.

Maculata.

Black; thorax spotted with white: scutel 4 spotted: abdomen white behind.

Inhabits *North America*. *Degeer. Inf. 3, tab. 29. fig. 13.*

Antennae ferruginous beneath: 3 last segments of the abdomen white with 3 black dots on each above and beneath.

Arenaria.

Black; thorax spotted with yellow: segments of the abdomen with each a yellow 6-toothed band, except the first which is linear.

Inhabits *America*. In the museum of *Str Jos. Banks*.

Head black, mouth and front yellow: *scutel* with 4 yellow dots.

Lineata.

Middle of the thorax black with 2 yellow lines; scutel yellow with a black line.

Inhabits *America*.

Antennae black: the first joint yellow: *head* yellow with a black front and dot in the middle of the lip: *abdomen* ferruginous, the segments blackish at the base, with a black dot each side: *legs* yellow.

Striata.

Black; thorax striate with yellow.

Inhabits *Cayenne*. *Wings* white with a brown rib.

Scutel and some dots under it yellow.

Macenfu.

- Macensis.* Yellow; thorax with black lines: abdomen with black waved bands.
Inhabits India. Museum of Sir Jof. Banks.
Head black between the eyes: *scutel* yellow with a black margin and line in the middle.
- Carnifex.* Yellow; middle of the thorax black with 4 ferruginous dots.
Inhabits Brazil. Museum of Sir Jof. Banks.
Antennae yellow, brownish at the base: *crown* black with a ferruginous streak: second segment of the *abdomen* brown at the base: *wings* ferruginous: *legs* dusky.
- Lanio.* Brown; head ferruginous: antennæ black in the middle.
Inhabits Brazil. In the museum of Sir Jof. Banks.
Thorax ferruginous before: *wings* blackish: *legs* ferruginous, thighs brown.
- Schach.* Rusty-brown: front yellowish; antennæ entirely ferruginous.
Inhabits New Holland. In the museum of Sir Jof. Banks.
- Annularis.* Brown: joints of the antennæ at the tips and edge of the first abdominal segment yellow.
Inhabits North America. Degeer. *Inf.* 3. *tab.* 29. *fig.* 11.
- Fuscata.* Brown with ferruginous spots; first segment of the abdomen edged with yellow, second with 2 ferruginous spots.
Inhabits South American Islands.
Antennae black, ferruginous at the base: *lip* and *mandibles* ferruginous. *thorax* with a ferruginous line each side: *legs* variegated.
- Hamilis.* Brown; abdomen grey, first segment of the abdomen yellowish at the edge:
Inhabits New Holland. Museum of Sir Jof. Banks.
Wings rusty-brown: *legs* ferruginous, thighs brown.
- Chinensis.* Varied with black and yellow: antennæ and legs ferruginous.
Inhabits China: small.
Head yellow, crown black; *thorax* black with a yellow fore-margin 2 oblique lines and dot: *scutel* with 4 yellow dots: *abdomen* yellow, the segment black at the base: *legs* ferruginous, yellowish within: *wings* dusky.

5-cincta. Black ; with yellow and ferruginous spots : abdomen ferruginous with 5 black bands.

Inhabits *China*.

Antennae ferruginous : *head* black with ferruginous spots, lip yellow : *thorax* with ferruginous spots and lines : *legs* ferruginous hind-ones black : *wings* yellowish.

Tepida. Black ; fore-lobe of the thorax and 2 dots ferruginous : abdomen ferruginous at the tip.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*

Antennae ferruginous : *head* black, lip ferruginous : first segment of the *abdomen* black, 2, 3, edged with ferruginous, the rest entirely ferruginous : *wings* and *legs* ferruginous, thighs black.

Æfluans. Thorax black on the back, scutellum with 4 white dots : abdomen black, the first and second segments with 2 white dots.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Head black, lip and mouth ferruginous : *antennae* ferruginous : *thorax* with a pale spot each side on the fore-margin : *legs* and *wings* ferruginous.

Calida. Black ; abdomen fulvous at the tip.

Inhabits *Sierra Leona* ; large.

Scutellum 2 toothed, with 4 strong teeth under it : *wings* violet.

Marginella. Black ; sides of the abdomen and base of the wings yellow.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Head dull ferruginous : *eyes* spotted : *thorax* ferruginous, black on the back : *wings* black at the tip : *legs* rufous.

Aurata. Black : abdomen golden polished.

Inhabits *Sierra Leona* ; small.

Hæmorrhoidalis. Black ; fore part of the thorax and hind-part of the abdomen ferruginous : wings yellow, black at the base.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Antennae ferruginous : lip and dot in the middle of the front ferruginous : second and third segment of the *abdomen* ferruginous at the edge : *lower-wings* brown.

Albifrons. Black ; lip white : abdomen with a white band.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Antennae black, the first joint white beneath : *thorax* with 2 minute white dots on the fore-margin : *legs* black.

Concinna. Black ; abdomen ferruginous, the second segment deep black.

Inhab

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Front fulvous : *wings* whitish with a broad blue outer margin : *legs* black.

Uncinata. Black ; scutell and band at the base of the abdomen white.
Inhabits *America*.

Antennae hooked : *front* yellow : fore-lobe of the *thorax* white : *wings* blue.

Rufipes. Black ; lip and legs rufous.
Inhabits *South Sea Islands*. In the museum of Sir *Jos. Banks*
First joint of the *antennae* beneath ferruginous : *wings* blueish at the outer margin.

Brunnea. Dull ferruginous ; first and second segments of the abdomen black at the base.
Inhabits *Tranquebar* ; large.
Antennae and *legs* ferruginous.

Marginalis. Thorax with 2 yellow lines behind : abdomen ferruginous, the first and third segments black edged with yellow.
Inhabits *Africa*. Museum of Sir *Jos. Banks*.
Head ferruginous, crown brown : *thorax* black, the fore-lobe and scutell ferruginous, under the scutell are 2 yellow lines : *wings* dusky : *legs* ferruginous.

Oculata. Ferruginous ; second segment of the abdomen black with an ocellar yellow spot each side.
Inhabits *Italy*.
Thorax with a black dorsal spot : *wings* ferruginous tipped with black : *legs* ferruginous.

Dorsalis. Ferruginous ; first segment of the abdomen with a black spot and yellow margin.
Inhabits *North America*.
Antennae black, ferruginous at the base : crown black : *thorax* with a black dorsal spot : third segment of the abdomen with a black spot ; *wings* brown.

•Parietum. Black : thorax and scutell with 3 yellow dots : abdomen with 5 yellow bands, the first very remote.
Roef. Inf. 2. Vesp. tab. 17 fig. 8. Frisch. 9. tab. 12. fig. 1.
Inhabits *Europe*, in old Buildings.

Serripes. Black ; abdomen with 5 yellow bands : flanks ferrate with spines.
Inhabits *North America*. Museum of Sir *Jos. Banks*.
Antennae black, the second and third joints rufous : head black with fulvous spots : *thorax* spotted with yellow : abdomen with

with 6 yellow bands, the first somewhat interrupted : *legs* yellow : *wings* brown.

4-cincta. Black with a yellow dot between the antennæ: abdomen with 4 yellow bands: *flanks* yellow.
Inhabits *Kiel*. *Thighs* black.

4-fasciata. Black; lip and legs yellow: abdomen with 4 yellow bands.
Inhabits *Denmark*; small.
First joint of the *antennæ* yellow: *head* with a yellow dot between the antennæ: *thorax* villous, the fore-margin yellow: *legs* yellow, *thighs* black at the base.

5-fasciata. Black; thorax spotted with yellow: abdomen with 5 yellow bands, the first very remote.
Inhabits *Kiel*. *Legs* yellow, *thighs* black.

• *Muraria*. Black; thorax with 2 ferruginous spots: abdomen with 4 yellow bands, the first very remote.
Inhabits *Europe*, in old walls. *Schaeff. Icon. tab. 24. fig. 8.*

Emarginata. Black; thorax spotted with yellow: abdomen with 5 yellow bands, the first emarginate at the tip.
Inhabits *Germany*; small.
Antennæ black, the first joint hooked and yellow: *mandibles* with a yellow outer margin; *lip* yellow: *head* with a yellow dot between the antennæ: *legs* yellow, *thighs* black.

Simplex. Black; lip fore-margin of the thorax and 5 simple bands on the abdomen yellow.
Inhabits *Kiel*.
Mandibles with a yellow spot: *antennæ* hooked, the first joint beneath yellow: *head* with a double yellow spot between the antennæ: *legs* yellow, *thighs* black at the base.

Parietina. Black; lip and spots on the thorax yellow: abdomen with 5 yellow bands above and 2 beneath.
Inhabits *Kiel*: *scutellum* immaculate.

Triloba. Black spotted with yellow: abdomen with 4 yellow bands, on the first of which is a 3-lobed black spot.
Inhabits *China*; small.
Head black, lip and dot above the antennæ yellow: *thorax* black spotted with yellow: *legs* black, *thighs* tipped with yellow.

- Spinipes*. Black; abdomen with 6 yellow bands: middle thighs denticulate.
Inhabits *Northern Europe*.
Antennae above black, beneath ferruginous.
- 6-fasciata*. Black: abdomen deep black with 6 yellow bands: all the legs simple.
Inhabits *Italy*: resembles the last.
Antennae above black, beneath yellow: *lip* and dot between the antennæ yellow: *thorax* with a yellow streak before: *legs* yellow, thighs black.
- Bidens*. Black; thorax 2-spined: 3 segments of the abdomen with a pale yellow margin,
Inhabits *Northern Europe*.
Lip and first joint of the *antennae* beneath yellow.
- Radula*. Black; abdomen deep black, the 2 first segments yellow.
Inhabits *Sandwich Islands*. Museum of Sir *Jos. Banks*.
Head and *thorax* brown: *wings* black.
- Variiegata*. Black; head and thorax spotted with yellow: abdomen yellow, the second and third segments at the base and tail yellow.
Inhabits *Barbary*; small.
Lip ferruginous: *legs* ferruginous.
- 2-fasciata*. Black; thorax immaculate: abdomen with 2 yellow bands.
Inhabits *Germany*. *Antennae* black: *lip* yellow.
- 3-fasciata*. Black: thorax spotted with yellow: abdomen with 3 yellow bands.
Inhabits *Germany*.
Head black with a yellow dot between the antennæ.
- Sinuata*. Black; thorax spotted with yellow: abdomen with about 4 yellow bands, the first a little sinuate on the fore-part.
Inhabits *Kiel*; small.
Head with 2 yellow dots between the antennæ: *legs* yellow, thighs and tips of the shanks black.
- 3-punctata*. Thorax ferruginous, black on the back: abdomen ferruginous tipped with black, the second segment with 3 black dots.

Inhabits *Barbary*.

Antennæ and *mouth* ferruginous: *head* black: *wings* brown: *legs* ferruginous.

Biglumis. Scutel with 4 dots: segments of the abdomen edged with white, the second with 2 white dots.

Inhabits *Europe*, on the South side of Rocks.

2-cincta. Black; thorax spotted with yellow: abdomen with 2 yellow bands: scutel with 4 yellow dots.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Head with a yellow dot between the antennæ and 2 at the base of the lip.

Nidulans. Black; thorax with a white streak before, scutel white: segments of the abdomen edged with yellow.

Inhabits *Cayenne*. *Reaum. Inf.* 6. *tab.* 20—24.

Builds a large oval nest, resembling brown paper, hanging down from the branch of a tree.

Antennæ black, the first joint white beneath: *lip* silvery villous: *legs* black.

Tricolor. Ferruginous; abdomen with 5 yellow bands: antennæ black in the middle and tip with yellow.

Inhabits *Jamaica*.

Head ferruginous, jaw and ring on the crown yellow: *antennæ* ferruginous at the base: fore-margin of the *thorax* and line before the wings yellow: first segment of the *abdomen* blackish: *legs* yellow, *thighs* black.

2-guttata. Black spotted with yellow; segments of the abdomen edged with yellow, the second with 2 yellow dots.

Inhabits *China*; small.

Antennæ black, the first joint yellow beneath: *head* and *thorax* spotted with yellow: *legs* yellow.

Aucta. Black; thorax with a yellow fore-margin; scutel with 2 yellow dots and a transverse line: abdomen with 6 yellow bands, the first with a dot each side.

Inhabits *Kiel*, *Ros*; *Fn. Entrisc.* 2. *tab.* 6. *fig.* 6.

Antennæ black, the first joint yellow beneath, the last hooked: *mandibles* lip and dot between the antennæ yellow: *thorax* with 2 yellow dots, scutel spotted with yellow: *legs* yellow, *thighs* black.

Bipunctata. Thorax spotted with yellow: abdomen with 4 yellow bands and 2 yellow dots on the first segment.

Inhabits

Inhabits *Germany*.

Antennae black, mandibles and orbits yellow: *legs* yellow, thighs black at the base.

4-punctata. Black; thorax spotted with yellow: segments of the abdomen edged with yellow, the 2 first with a yellow dot each side.

Inhabits *East India*; small.

Antennae black, the first joint at the base and beneath yellow: *lip* and 3 spots on the front yellow: *legs* yellow.

Trifrigata. Black thorax spotted with yellow and 2 dots under the scutellum; abdomen with 3 yellow bands.

Inhabits *South American Islands*; small.

Antennae black, the first joint yellow beneath: *mouth* and *scutellum* yellow: *wings* tipped with brown: *legs* yellow, thighs black.

Flavipes. Thorax spotted with yellow: abdomen with 3 yellow bands and 2 dots on the first and second segments.

Inhabits *America*.

Antennae black, beneath rufous, the first joint yellow: *lip* yellow with a black spot: *wings* brown: *legs* yellow.

Variabilis. Varied with black and ferruginous: abdomen yellow, the first segment with a black spot, the second entirely black.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Legs ferruginous: *abdomen* sometimes blackish.

Hebraea. Yellow; thorax with 3 black lines: abdomen with flexuous black belts.

Inhabits *East India*; large.

Front and tip of the mandibles brown: *wings* ferruginous.

Cinereascens. Black; thorax projecting each side behind: wings violet.

Inhabits *America*; size of *V. parietina*.

Body in some directions of light cinereous.

Tessa. Thorax black, the fore-lobe and abdomen ferruginous, the latter with a black dorsal line.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Antennae ferruginous: *head* black, the *lip* and behind the eyes yellow: *upper-wings* blueish with a ferruginous base: *legs* ferruginous, hind-thighs black.

- Lateralis.* Dull ferruginous: abdomen black with white sides.
Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Antennæ tipped with black: *thorax* black on the back.
- Stigma.* Dull ferruginous; segments of the abdomen edged with yellow: wings with a brown spot.
Inhabits *East India*; small.
Thorax with 2 grey lines under the scutel: first segment of the abdomen yellow with an ovate dusky spot at the base, second dull ferruginous, third edged with yellow, the rest ferruginous.
- Flavescens.* Ferruginous; wings with a brown spot at the tip.
Inhabits *East India*; small.
Antennæ rufous: *thorax* with a yellow spot and rufous dot: segments of the abdomen yellowish at the edge.
- Gibbosa.* Head and thorax black spotted with yellow: abdomen variegated with 4 yellow bands, the first segment gibbous.
Inhabits *America*; small.
Antennæ black, the first joint yellow: *lip*, front orbits and 2 dots on the crown yellow: *legs* yellow, thighs black.
- Americana.* Scutel with 2 yellow bands and 4 lines: abdomen black with 4 yellow bands, tail brown.
Inhabits *America*.
Antennæ ferruginous, black in the middle: *thorax* spotted with yellow: *legs* varied with black and yellow.
- * *Campanulata* First segment of the abdomen funnel-shaped, the second campanulate and very large.
Inhabits *Europe*. *Geoffr.* 2. *tab.* 16. *fig.* 2. *Frisch.* 9. *tab.* 9.
Antennæ black, yellowish at the base: *head* black with a yellow spot between the antennæ and another at the base of the *lip*: *thorax* with 2 yellow spots: segments of the abdomen edged with yellow, the first and second with 2 dots.
- Arcuata.* Black variegated with yellow: petiole of the abdomen incurved with 4 yellow spots.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Antennæ black: *head* black, front and orbits yellow: *thorax* spotted with yellow: second segment of the abdomen very large with 2 yellow bands, the rest with a single one and all interrupted: *legs* black, *shanks* yellow.
- Campaniformis.* Black variegated with yellow: petiole of the abdomen ferruginous, the tip black with 2 yellow spots.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Antennae ferruginous, brownish at the tip: *head* black, front and orbits yellow: *thorax* spotted with yellow: *scutellum* yellow with a black band, and under it a black groove: second segment of the *abdomen* very large with a yellow margin and 2 spots at the base, the others edged with yellow: *legs* yellow.

Guineensis. Black; head and legs ferruginous: petiole 2-toothed ferruginous: wings blue.

Inhabits *Guinea*; large.

Antennae ferruginous tipped with black: *head* and *thorax* blackish on the back: *abdomen* ovate.

Cyanipennis Black; petiole clavate and testaceous at the base: wings blue.

Inhabits *Cayenne*.

Thorax testaceous under the scutellum: first segment of the *abdomen* large campanulate; the rest short black: *legs* black.

Periolata. Varied with ferruginous and yellow; petiole incurved, ferruginous with a black band.

Inhabits *Malabar*. *Ross. Fa. Err.* 2. tab. 4. fig. 10.

Antennae hooked ferruginous: *head* with a black band between the eyes: *thorax* ferruginous, the fore-lobe yellow: petiole of the *abdomen* long, with a small raised tooth each side before the tip, second segment ferruginous with a black band and tipped with yellow, the rest yellowish: *legs* ferruginous.

Conica. Ferruginous spotted with black: second segment of the *abdomen* with a black band.

Inhabits *China*; resembles the last.

Body ferruginous with a few black spots: petiole long, the base and tip a little blackish.

Pyramidalis. *Abdomen* yellow, black at the base, the petiole incurved ferruginous with 2 black bands.

Inhabits *China*.

Head black, front yellow: *antennae* ferruginous: *thorax* gibbous, yellow before and black behind, with ferruginous dots: first segment of the *abdomen* campanulate very large, the base black with 2 ferruginous spots, the tip yellow: the rest small and yellow: wings ferruginous, the tip cinereous: *legs* ferruginous, hind-thighs black.

Pomiformis Black variegated with yellow: petiole of the *abdomen* with 2 yellow dots, second segment with an interrupted yellow band, all edged with yellow.

Inhabits *Italy*; size of *V. coarctata*.

Antennae black, the first joint yellow beneath; *lip* yellow with a black dot in the middle: *thorax* spotted with yellow: first segment of the *abdomen* with 2 yellow dots; *legs* yellow.

Grisea. Cinereous: petiole ferruginous, second segment of the abdomen cinereous at the tip with a yellow spot each side.

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

Antennae brown: *mandibles* ferruginous: *legs* brown, thighs ferruginous. *wings* whitish with a ferruginous outer-margin.

Cinerea. Grey-brown: abdomen immaculate, the petiole long incurved ferruginous.

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

Sides of the *abdomen* immaculate; *wings* black.

Macilenta. Grey: abdomen blackish, the second segment with 2 cinereous spots, petiole ferruginous.

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

Antennae ferruginous, above black; *legs* ferruginous: *wings* whitish.

Esrurieu. Ferruginous; abdomen yellow, the petiole and first segment ferruginous, the former edged with black, the latter with yellow.

Inhabits *Italy*; half the size of *V. petiolata*.

Head yellow: *antennae* ferruginous tip with brown: *thorax* yellow, the back and hind part ferruginous; *scutellum* yellow; *legs* yellow, thighs ferruginous.

Ferruginea. Ferruginous; second segment of the abdomen edged with yellow.

Inhabits *East India*; small.

Petiole long incurved, a little yellowish at the edge: second segment of the *abdomen* very large: *wings* with a brown spot at the tip.

Tabida. Black, spotted with yellow; petiole of the abdomen black, the second segment yellow at the base.

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

Lip yellow: *petiole* long incurved: *legs* yellow, hind-thighs black.

Phibifica. Rusty-brown : thorax spotted with yellow : segments of the abdomen edged with yellow.

Inhabits *America*; small.

Lip and *orbits* yellow : *thorax* blackish spotted with yellow : *scutellum* yellow with a black band in the middle in which is a yellow streak : *petiole* long incurved, black tip with yellow : *legs* yellow, thighs black at the base.

A

Attenuata. Abdomen ferruginous, the petiole black with a yellow band.

Inhabits *America*.

Antennae ferruginous tip with black : *head* black, lip yellow : *thorax* dull ferruginous immaculate : *petiole* long incurved.

Cyanea. Blue ; mouth ferruginous : wings brown.

Inhabits *Brazil*, and builds a heart shaped nest, covered with a fine bark, and affixed to the trunk of the *Anacardium orientale*.

Antennae black : *petiole* short companulate : *legs* brown.

Varia. Ferruginous spotted with yellow ; petiole of the abdomen incurved with 2 yellow dots at the tip.

Inhabits *China* ; small.

Antennae ferruginous : *head* yellow, front and lip ferruginous : *thorax* with yellow spots and lines : *abdomen* ferruginous, the segments with yellow lateral spots : *legs* variegated.

Arietis. Black ; petiole of the abdomen and legs rufous.

Inhabits *America*; less than *V. coarctata*.

Antennae hooked, black with a yellowish spot or two on each joint except the 2. fore ones : *petiole* long gibbous in the middle : *abdomen* globular : *wings* blueish-brown.

Pygmaea. Black ; thorax spotted with yellow : petiole of the abdomen and 3 first segments edged with yellow.

Inhabits *Cayenne*; very small.

Head black, sides of the lip pale : *antennae* black.

Fulva. Thorax black, the fore-part rufous : abdomen with 2 transverse fulvous spots, the 3 last segments fulvous.

Inhabits *Russia*. *Lepech. lt. tab. 19. fig. 4.*

Rufatrix. Black ; abdomen ovate pale yellow, the segments with each a spot on the back,

Inhabits *Africa*; size of a common *Bee*.

Front with a yellow lunule, ferruginous behind the eyes: *thorax* with a yellow dot before the wings: *scutel* glaucous: *abdomen* sessile; *legs* yellow, ciliate without.

Cassra. Snout horny subulate, body varied with yellow and black: antennæ saffron in the middle.
Inhabits the *Cape of good hope*.

Head, band on the *scutel* and *antennæ* black: *front* yellow: *thorax* spotted with black: *abdomen* yellow with a black dorsal line and 2 bands, the petiole curved clavate with 2 yellow dots each side: *legs* yellow, reddish beneath.

Capensis. Snout horny subulate: body black: *abdomen* petiolate, the tip yellowish beneath.
Inhabits the *Cape of good hope*.
Abdomen ovate, the petiole curved and clavate.

Surinamæ. Black; *abdomen* petiolate violet-black.
Inhabits *Surinam*: size of a hornet.
Petiole subclavate: *wings* blueish-black.

Canadensis. Thorax with 2 scales: *abdomen* ferruginous, the first segment obconic.
Inhabits *America*. *Sulz. Inf. tab. 19. fig. A.*

Emarginata. Scutel emarginate: *abdomen* black, the petiole curved and toothed each side.
Inhabits *America*. *Mus. Lud. Ulr. 412.*

Tricincta. Black; *thorax* spotted; *abdomen* with 3 yellow bands, the 2 first interrupted.
Inhabits *Austria*. *Schranck, Aust. p. 393. n. 794.*

Exotica. Black varied with ferruginous; petiole of the *abdomen* ferruginous, the back black: *legs* ferruginous.
Inhabits out of *Europe*. *Mus. Lesh. p. 74. n. 412.*
Front base of the *antennæ* hinder segments of the *abdomen* and tip of the first yellow: *wings* yellowish.

Reniformis. Black; *thorax* spotted with yellow: *scutel* with 2 yellow lines and kidney-shaped spot each side behind: *abdomen* with 5 yellow bands: *legs* yellow.
Inhabits *Europe*. *Mus. Lesh. p. 74. n. 418.*

Melanachra. Black; lip, transverse line on the *thorax*, 6 bands on the *abdomen*, tip of the thighs and shanks yellow.
Inhabits

Inhabits *Europe*. *Mus. Lesk.*, p. 74. n. 419.

First band of the *abdomen* very remote, the second sinuate each side.

Melanoccephala. Head black with a yellow dot between the antennæ: thorax with an interrupted yellow band, abdomen with 4 and a line at the tip: thighs black, the tip and shanks yellow.

Inhabits *Europe*. *Mus. Lesk.* p. 75: n. 420.

Erysbocephala. Black; head and abdomen ferruginous, petiole black tipped with yellow, the first segment black before and yellow behind, 3, 4, edged with yellow.

Inhabits out of *Europe*. *Mus. Lesk.* p. 75, n. 421.

Mouth, sides of the *thorax* and oblong spot at the base yellow: *shanks* yellow.

b. *Lip* ovate, as long as the jaw. Mellinus.

**Myfacea*. Black; scutel yellow: abdomen with 3 yellow bands, the first interrupted.

Inhabits *Northern Europe*. *Sphex myfacea*, *Linne*.

Between the second and third segments of the *abdomen* is sometimes a yellow dot.

Sabalosa. Black; abdomen with 3 whitish bands, the fore-ones interrupted: legs rufous.

Inhabits *Germany*.

Antennæ ferruginous: *head* black, orbits yellow before: *thorax* spotted with yellow.

Ruficornis. Thorax spotted; abdomen with 3 yellow bands, the 2 first interrupted: antennæ and legs rufous.

Inhabits *Germany*.

Head black, orbits rufous: *abdomen* black.

2-punctata. Black; scutel yellow: abdomen with 3 yellow bands, the first with 2 black dots.

Inhabits *Germany*.

Antennæ black, the first joint yellow beneath; *orbits* and 2 dots on the *lip* yellow: *thorax* spotted with yellow: *legs* yellow, thighs black at the base.

3-lineata. Black abdomen with 3 entire yellow bands: antennæ beneath and joints of the legs ferruginous.

Inhabits *Italy*.

Thorax with a yellow streak before: *scutel* black.

- **Campellris* Black ; scutel yellow : abdomen with 4 yellow bands, the first interrupted.
Inhabits *Europe*.
- **Arvensis*. Black ; scutel yellow : abdomen with 4 yellow bands, the third interrupted.
Inhabits *Europe*. Schaeff, *Icon. tab. 93. fig. 8.*
- 5-fasciata*. Black ; scutel yellow : abdomen with 5 yellow entire bands.
Inhabits—size of the former ones.
Antennae above black, beneath ferruginous : *lip* yellow : *thorax* black spotted with yellow : *wings* dusky with a large brown spot towards the tip and in this a yellow dot : *legs* yellow, *thighs* black without.
- c. *Lip compressed rounded, longer than the Jaw.* Philanthus.
- Coronata*. Black ; thorax spotted : abdomen with 5 yellow bands, the 2 first interrupted.
Inhabits *Italy*.
Antennae yellow at the base and tip with black : *head* black, the *lip* and spot above the *antennae* yellow : *thorax* spotted with yellow : *wings* yellowish : *legs* yellow.
- Aurita*. Black ; head and thorax spotted with yellow : first segment of the abdomen with 2 yellow spots, the rest with a yellow band.
Inhabits *Italy*.
Antennae black, the first joint yellow ; *lip* orbits and dot behind the eyes yellow : *legs* yellow.
- Triangulum*. Black : abdomen yellow, the segments with a black triangle on the back.
Inhabits *Germany*.
Mouth yellow : *thorax* immaculate : *legs* rufous,
- Diadema*. Black ; abdomen yellow : legs ferruginous : lip white.
Inhabits *Italy* and the *Cape of good hope*.
Head with a 3-toothed white spot between the *antennae* : *thorax* spotted with yellow : first segment of the *abdomen* blackish : *legs* yellowish.
- Rufipes*. Black ; thorax spotted : abdomen with 6 yellow subinterrupted bands : wings white tip with brown.
Inhabits *Spain* ; large.
Lip yellow and mandibles tip with black : *antennae* rufous, black before the tip : *legs* ferruginous.

- Arenaria.* Black; abdomen with 4 yellow bands, the first segment with 2 dots.
Inhabits *Europe*; and buries itself in sands.
Scutellum with a transverse yellow line and 2 dots: *legs* yellow, all the *shanks* ferrate.
- Ornata.* Thorax immaculate: abdomen with 3 yellow bands, the second emarginate.
Inhabits *Germany*.
Antennæ black, beneath yellowish: *head* yellow under the antennæ; *legs* yellow, thighs black at the base.
- Flavipes.* Black; thorax spotted: abdomen yellow, the edges of the segments and tail black.
Inhabits *Italy*.
Lip yellow, front covered with silvery down: *legs* yellow.
- 6-punctata.* Black: thorax immaculate: abdomen with 3 yellow marginal dots each side.
Inhabits *Italy*.
Antennæ ferruginous, brown on the back: *head* yellow under the antennæ; *legs* yellow, thighs black.
- 5-lineata.* Black; thorax spotted: abdomen with 5 yellow entire bands, tail black.
Inhabits *Kiel*.
Antennæ black, the first joint beneath yellow: *head* yellow under the antennæ; *legs* yellow, thighs with a black band.
- Læta.* Black: thorax spotted: first segment of the abdomen with 2 yellow dots, the rest with a yellow band.
Inhabits *Spain*; resembles the last.
Antennæ ferruginous, tip with black: *head* yellow under the antennæ: *legs* yellow, the joints of the hind-ones black; *wings* whitish, upper-pair tip with brown.
- Ruficornis.* Black; thorax spotted: segments of the abdomen with a yellow transverse spot each side.
Inhabits *Italy*; small.
Antennæ ferruginous, brown on the back: *head* yellow under the antennæ: *legs* yellow.
- 5-maculata.* Black; thorax spotted: abdomen with 5 yellow spots.
Inhabits *Denmark*; small.
Antennæ black, the first joint yellow beneath: *wings* hyaline; *legs* yellow, thighs black.
- Atra.* Hairy, black: abdomen short conic.
Inhabits *Italy*. *Legs* black, *shanks* piceous.

d. *Lip short horned*. Crabro.

- Spinoja*. Thorax 2-toothed behind : abdomen with 3 yellow bands.
Inhabits *Southern Europe*.
Thorax with a yellow line before and a strong tooth each side behind : legs black or ferruginous.
- Cornuta*. Yellowish ; thorax black spotted with yellow : front with an elevated emarginate horn.
Inhabits *East India*; large.
Antennae ferruginous tip with black : head large yellow, tip of the jaws and spot behind the antennae dull ferruginous : first segment of the abdomen ferruginous, 2, yellow tip with ferruginous : 3, 4, 5, yellow tip with black, the last black, 2-toothed at the tip : legs ferruginous.
- Fossifera*. Thorax immaculate : abdomen with 5 yellowish spots : legs black.
Inhabits *Europe*, in sand-banks.
The hind spots on the abdomen are united into a band.
- 4-maculata*. Black ; thorax immaculate : abdomen with 2 yellow dots each side.
Inhabits *Denmark* ; small.
Wings white : legs yellow, thighs black.
- Repanda*. Cinereous downy ; abdomen black with 4 flexuous glaucous bands : legs rufous.
Inhabits *India*; resembles *Bembex repanda*.
Antennae black, the first joint ferruginous.
- Nitidula*. Black ; with cinereous down : abdomen with 4 silvery interrupted bands : legs black.
Inhabits *East-India*.
Lip covered with yellowish down.
- Subterranea*. Thorax spotted : abdomen with 5 yellow spots each side : antennae black : legs ferruginous.
Inhabits *Germany*.
Head black, lip silvery : first joint of the antennae beneath yellow.
- Maculata*. Thorax spotted : abdomen black with 4 yellow spots each side : shanks yellow.
Inhabits *North America*. Museum of Sir *Jos. Banks*.
Antennae black, the first joint yellow : lip silvery : thighs black.
- Sexcincta*. Thorax spotted : abdomen with 6 yellow bands, the 3 first interrupted.

Inhabits

Inhabits *Germany*.

Head black, lip silvery : antennae black, the first joint beneath yellow, thighs black.

Interrupta. Thorax spotted ; abdomen black with 5 interrupted yellow bands.

Inhabits *East India* ; small.

Head black : mouth yellow, mandibles tipped with black : wings whitish : legs yellow, thighs black.

Labiata. Thorax spotted : abdomen black with 5 yellow bands : the 4 first interrupted : antennae rufous : lip horned.

Inhabits *Germany*.

Head black with a small short horn and yellow dot above the lip : legs rufous, shanks ferrate.

4-cincta. Black ; thorax spotted : abdomen with 4 yellow bands and tail.

Inhabits *Germany* ; twice the size of the last.

Antennae black, the first joint yellow : head black, lip and orbits silvery : legs yellow, thighs black.

Peltata. Black ; thorax immaculate : abdomen with yellow bands, the middle ones interrupted : fore-shanks with concave shields.

Inhabits *Europe*. *Natursf.* 20. tab. 2. fig. 6. 7.

Legs yellow, middle-pair of thighs thick.

Female without the shields on the shanks.

**Cribraria*. Black : thorax spotted : abdomen with yellow bands the middle ones interrupted : fore-shanks with concave shields.

Inhabits *Europe*. *Schaeff. Icon.* tab. 177. fig. 6. 7.

In one Sex the legs are simple, in the other shielded.

Clypeata. Black ; abdomen with yellow bands : thorax tapering : fore-legs with concave shields.

Inhabits *Saxony*. *Natursf.* 15. tab. 3. fig. 19—23.

Lip silvery : 3 first bands of the abdomen sometimes interrupted.

Scutata. Black ; mouth and legs yellowish : fore-shanks with dilated membranes.

Inhabits *Germany* ; small.

Antennae black, the first joint yellow with a black line : thorax spotted ; abdomen immaculate : legs yellow, thighs with a black line, membrane of the shanks white.

- Vaga*. Black ; abdomen with 3 yellow bands, the first interrupted: flanks yellow.
Inhabits *Europe*; *Thorax* spotted or immaculate.
- Tridens*. Black ; abdomen with 5 yellow bands, tail 3-toothed.
Inhabits *Italy*; small.
Lip yellow: *thorax* with a yellow dot under the wings: *legs* yellow, thighs black.
- Dimidiata*. Smooth, black ; thorax spotted: abdomen with a yellow band before and 2 dots, tail yellow.
Inhabits *Germany*; small.
Lip silvery: first joint or the antennæ yellow beneath: *legs* yellow, thighs black.
- Pisla*. Smooth black: thorax spotted: abdomen ferruginous with 3 yellow bands, tail blackish.
Inhabits *Saxon*; small.
Antennæ flexuous black: *head* yellow, crown black: *legs* yellow, hind thighs black.
- 2-cincta*. Black ; thorax spotted: abdomen with 3 yellow bands, the first interrupted: legs ferruginous, thighs black.
Inhabits *Denmark*.
Head black with 2 yellow dots under the antennæ.
- Tricincta*. Black: scutellum and 2 dots under it yellow ; abdomen with 3 yellow bands.
Inhabits *America*; small.
Lip and *orbits* yellow: *thorax* spotted: *wings* with a brown spot: *legs* black spotted with yellow.
- **Uniglumis*. Scutellum mucronate ; 3 segments of the abdomen with 2 white dots.
Inhabits *Europe*. *Schæff. Icon. tab. 20. fig. 1.*
Lip silvery: *thorax* immaculate black: *legs* black, flanks ferruginous.
- Lineata*. Scutellum 2-toothed and mucronate: black with yellow lines on the thorax and bands on the abdomen: legs rufous.
Inhabits *Saxony*.
Head and antennæ brown: *scutellum* yellow with a long curved obtuse grooved spine under it, black tip with yellow: *tail* reddish.
- Macronata*. Scutellum 2-toothed and mucronate: black with a yellow transverse spot on all the segments of the abdomen.

Inhabits *Germany*.

Antennæ black, the tip a little ferruginous : *lip* silvery : *thorax* spotted : *scutellum* with 2 yellow teeth and a grooved black spine under it : *legs* black, thighs yellow.

3-spinosa Scutellum 2-toothed and mucronate ; black with 2 yellow dots on the abdomen each side.

Inhabits *Saxony* ; small.

Mouth covered with silvery down : *thorax* immaculate : *scutellum* with an incurved sharp spine under it : *legs* black, ferruginous at the tip.

Leucostoma Black ; glabrous : *lip* silvery : abdomen slightly petiolate. Inhabits *Europe*, *Antennæ* filiform.

Geniculata Black ; with 2 yellow dots under the antennæ : thorax spotted : joints of the legs yellow.

Inhabits *Germany* ; small.

Legs black, shanks white at the base.

4-punctata Black, glabrous : *lip* silvery ; abdomen petiolate with 2 yellow dots each side.

Inhabits *France* ; resembles *V. Leucostoma*.

First joint of the *antennæ* yellow beneath.

Lugubris. Black glabrous ; *lip* black : abdomen petiolate.

Inhabits *Saxony*. *Abdomen* polished.

Albilabris Black, glabrous : abdomen sessile : *lip* silvery : fore-shanks yellowish above.

Inhabits *Saxony*. *Abdomen* ovate polished.

Minuta. Black, glabrous : mandibles and shankstestaceous.

Inhabits *Germany* ; very small.

Wings whitish with a black marginal dot : *thighs* black.

Gaditana. Black : thorax hairy : antennæ and wings reddish ; abdomen with 5 interrupted yellow bands.

Inhabits *Spain* ; size of *V. vulgaris*.

Base of the *antennæ* and *jaws* yellow : *thorax* spotted : *thighs* and tip of the shanks yellow,

Leskii. Thorax spotted : abdomen with 6 yellow bands narrower on the back, the first sometimes interrupted : legs yellow.

Inhabits *Europe*, *Mus. Leskii*. p. 75. n. 425.

Punctulata. Thorax spotted: abdomen with 6 yellow bands, the first composed of 3 dots, the third interrupted: lip silvery. legs black at the base.

Inhabits Europe. *Mus. Lisk. p. 75. n. 426.*

Argurosoma. Thorax spotted, scutell uniform: abdomen with 6 yellow bands: lip silvery: thighs black, shanks yellow.

Inhabits Europe. *Mus. Lisk. p. 75. n. 427.*

Marginata. Black, punctured: abdomen with 4 bands; tail margined, the tip truncate and 2-toothed.

Inhabits Europe. *Mus. Lisk. p. 75. n. 428.*

Legs yellow, black at the base: *thighs* truncate at the tip.

Chrysothoma. Black, punctured: front mouth and triangular spot each side on the fourth abdominal segment yellow.

Inhabits Europe. *Mus. Lisk. p. 76. n. 429.*

First segment of the *abdomen* yellow at the base, second yellow with a black triangle in the middle: *tail* margined: *thighs* ferruginous.

Flavipes. Base of the antennæ jaws shanks and 6 bands on the abdomen yellow, the third interrupted: lip silvery: thorax spotted.

Inhabits Europe. *Mus. Lisk. p. 76. n. 431.*

Thighs black, the 4 fore-ones yellow beneath.

Ochræus. Thorax spotted: abdomen with 3 yellow bands, the 2 first interrupted: lip silvery: thighs black, the tip and shanks yellow.

Inhabits Europe. *Mus. Lisk. p. 76. n. 432.*

Unifasciata. Thorax spotted: 4 first segments of the abdomen with a yellow spot each side, the fifth with a ferruginous band: lip silvery: legs ferruginous.

Inhabits Europe. *Mus. Lisk. p. 76. n. 434.*

Melanops. Thorax spotted: lip black, 3-toothed: antennæ jaws and legs yellow: 2 first segments of the abdomen with a yellow spot each side, the fourth with a yellow band.

Inhabits Europe. *Mus. Lisk. p. 76. n. 436.*

Cylindrica. Thorax spotted: abdomen cylindrical, the 3 first segments with a yellow band above and spot each side beneath: lip and legs black.

Inhabits

Inhabits *Europe*. *Mus. Lesk.* p. 76. n. 438.

Antennae ferruginous at the tip: *lip* with a yellow line each side: *hind-shanks* yellow at the base.

Pubescens. Thorax immaculate downy; front mouth and shanks yellow: abdomen petiolate, the segments edged with yellow.

Inhabits *Europe*. *Mus. Lesk.* p. 76, n. 438. b.

Antennae and 4 *fore-shanks* black.

Nigerrima. Entirely black.

Inhabits — *Mus. Lesk.* p. 77. n. 441.

Canescens. Grey-black; abdomen petiolate, the 2 first segments gibbous behind.

Inhabits *Europe*. *Mus. Lesk.* p. 77. n. 442.

Chrysopeus. Lip silvery: fore-part of the thorax and dot each side the petiole yellow: abdomen yellow with an oblong black spot on the 4 first segments each side..

Inhabits *Europe*. *Mus. Lesk.* p. 77. n. 443.

Legs yellow, black at the base,

Ferruginea. Black; front and lip silvery: thorax immaculate: tip of the petiole and first segment of the abdomen ferruginous: antennæ and shanks ferruginous.

Inhabits *Europe*. *Mus. Lesk.* p. 77. n. 444.

Chrysozona. Lip silvery: thorax immaculate: abdomen black with a grey gloss: joints yellow.

Inhabits *Europe*. *Mus. Lesk.* p. 77. n. 445.

Immaculata. Black; thorax immaculate: front and lip silvery: abdomen petiolate: legs ferruginous at the ends.

Inhabits *Europe*. *Mus. Lesk.* p. 77. n. 446.

Dicbroa. Black with a yellow spot each side the eyes and one under the wings; fore-margin of the thorax and joints yellow.

Inhabits *Europe*. *Mus. Lesk.* p. 77. n. 447.

Tibialis. Lip silvery: thorax spotted: thighs black, shanks yellow, the hind-ones brown within.

Inhabits *Europe*. *Mus. Lesk.* p. 77. n. 448.

Clavata. Abdomen petiolate clavate, the first segment yellow at the tip: lip silvery: thorax with a yellow dot each side before: hind-thanks clavate.

Inhabits Europe. *Mus. Lesh. p. 77. n. 449.*

2 *higs* black, the base and tip yellow: *shanks* yellow, the middle ones with a black spot within, hind-ones black in the middle and yellow at the tip.

Lutea. Black; thorax immaculate: abdomen petiolate, yellow at the tip: jaws antennæ spot on the wings and thanks yellow.

Inhabits Europe. *Mus. Lesh. p. 77. n. 450.*

Braccata. Black; thorax immaculate: lip silvery: base of the antennæ and fore-legs yellow; thighs black above.

Inhabits Europe. *Mus. Lesh. p. 77. n. 451.*

Flavicans. Black; thorax with a yellow dot each side: jaws base of the antennæ and fore thanks yellow, base of the 4 hind-ones yellow.

Inhabits Europe. *Mus. Lesh. p. 77. n. 452.*

B. Tongue bifid, retractile. Mafaris.

Vespiiformis. Abdomen black with 6 yellow bands: antennæ black, nearly as long as the body.

Inhabits Barbary.

Antennæ with an interrupted yellow lateral line: upper lip yellow with a fine black edge: head with a yellow frontal spot and orbits: thorax with a yellow spot in the middle, the edge and scutel yellow: legs yellow, thighs black at the base.

Apiformis. Antennæ clavate ferruginous; abdomen black with 5 yellow bands.

Inhabits Italy. *Ross. Fn. Etrusc. 2. tab. 7. fig. 10, 11.*

Antennæ short, the first joint black: head black with 3 yellow frontal spots: thorax spotted with 2 horny yellow scales at the base: abdomen ovate, the 2 last bands interrupted each side: legs yellow.

C. Tongue inflected, 5-cleft. Bembex

Signata. Upper-lip rounded entire: body varied with black and yellow.

Inhabits America. *Sulz. Hist. Ins. tab. 27. fig. 9.*

- Fusdata*. Upper-lip entire: segments of the abdomen black with 4 yellow dots.
 Inhabits *Brasil*. In the museum of Sir *Jos Banks*.
Lip black with a yellow line each side: *antennae* black, the first joint yellow beneath: *thorax* black: 4 first segments of the *abdomen* with 4 yellow dots, 5, with 2, 6. immaculate, 7. with a yellow line each side: *legs* black.
- Rostrata*. Upper-lip conic cleft: abdomen black with flexuous glaucous bands.
 Inhabits *Europe* *Sulz. Hist. Inf. tab. 27. fig. 10.*
 Builds in sand banks, and deposits only one larva in each nest.
- Olivacea*. Lip conic yellow: abdomen glaucous, the segments edged with black; tail 3 toothed.
 Inhabits *Barbary*.
Antennae black, yellow at the base: *head* grey-brown: *thorax* brown with a yellowish border: second segment of the *abdomen* with 2 dots: *legs* yellow.
- Glaucia*. Lip conic; abdomen glaucous, the segments with 2 black dots.
 Inhabits *Tranquebar*; size of *V rostrata*.
Lip yellowish: *front* brown: back of the *thorax* brown with 2 yellow lines. *legs* yellow.
- Lunata*. Lip conic: *thorax* ferruginous with black lines: abdomen ferruginous, the segments with a yellow lunule each side.
 Inhabits *Tranquebar*.
Antennae ferruginous: tip with black: *lip* yellow: *head* brown: *thorax* black behind with a yellow band: 3 last segments of the *abdomen* yellow: *legs* yellow, thighs ferruginous.
- Carolina*. Lip conic black: abdomen black, the first segment with an interrupted yellow band, the rest with yellow dots.
 Inhabits *Carolina*.
Antennae black, the first joint yellow beneath: *head* brown, *lip* yellow: *thorax* brown with a yellow dot under the wings: last segment of the *abdomen* immaculate: *legs* yellow, thighs black at the base.
- Repanda*. Lip conic; abdomen glaucous with 6 flexuous black bands.
 Inhabits *Tranquebar*.
Antennae above black, beneath yellow: *lip* yellow: *crown* brown, mandibles tip with black: *thorax* brown with abbreviated lines: *scutell* with 2 yellow curves; *legs* yellow.

Americana. Lip conic; thorax immaculate: abdomen yellow with black flexuous bands and dots.

Inhabits *South American Islands*.

Thorax brown: first segment of the *abdomen* black with an interrupted yellow band.

Spinosa. Lip conic: black; thorax spotted, with a tooth each side behind: abdomen with 6 interrupted yellow streaks.

Inhabits *South American Islands*.

Antennæ black, the first joint yellow beneath: *head* black, lip yellow: *legs* yellow, thighs black.

Lineata. Lip rounded: abdomen black, with 4 lines of yellow dots above and 2 beneath.

Inhabits—In the museum of Sir *Jos. Banks*.

Antennæ brown: *lip* yellow with a black spot in the middle: *thorax* brown with a yellow spot under the scutel: *legs* ferruginous

Striata. Lip rounded yellow: thorax lineate: segments of the abdomen with a large black transverse spot on the back.

Inhabits—In the *British Museum*.

Antennæ brown: the first joint yellowish: *mouth* yellow, mandibles tipped with brown: *head* yellowish, crown brown: *thorax* yellowish with 3 short black lines: *scutel* yellow with a brown band in the middle: *legs* yellow.

Integra. Lip rounded: black: abdomen with 6 yellow bands, the first 5 interrupted: thighs black.

Inhabits *Italy*.

Antennæ black, the first joint yellow beneath, the last ferruginous: *head* covered with cinereous down, lip yellow: *thorax* brown immaculate: *tail* 3-toothed: *legs* yellow.

6fasciata. Lip rounded: abdomen black with 6 yellow bands, the 3 first interrupted: legs entirely rufous.

Inhabits *East India*; resembles the last.

Antennæ black, the last joint rufous: *head* black, lip yellow: *thorax* immaculate: *wings* whitish, a little testaceous at the base; *tail* 3-toothed black.

Tridentata. Lip rounded: black; abdomen with 2 yellow bands, tail 3-toothed: wings black edged with white.

Inhabits *Southern Europe*.

Head black, mouth with silvery down: *thorax* black immaculate: *tail* with 3 incurved sharp teeth: *legs* black.

Interrupta.

Interrupta. Lip rounded entire: black; thorax spotted; abdomen with 5 interrupted yellow bands.

Inhabits *East India*; small.

Mandibles testaceous tipped with black. mouth yellow: *antennae* black: *legs* testaceous, thighs black.

Ruficornis. Lip subconic: thorax brown spotted with yellow: abdomen black with 6 yellow bands: *antennae* and legs ferruginous.

Inhabits *Spain*.

Head brown, mouth yellow: 4 first bands of the *abdomen* interrupted.

94. APIS. Mouth horny, jaw and lip membranaceous at the tip: tongue inflected: feelers 4, unequal, filiform: *antennae* short filiform, those of the female subclavate: wings flat: sting of the females and neuter pungent and concealed in the abdomen. Bee.

The insects of this genus live, some of them in large societies and some are solitary: their food is the nectar of flowers honey and ripe fruit: the *larva* is soft and without feet: the *pupa* resembles the perfect insect.

A Tongue 3-cleft; lip elongated trifid. Hylæus.

Cylindrica. Black; abdomen cylindrical, the segments whitish at the edge: tip of the lip and joints of the legs white.

Inhabits *Germany*.

Head covered with cinereous down, lip black, the tip yellowish: thorax immaculate: wings hyaline.

Alternans. Thorax covered with ferruginous down: abdomen cylindrical, the segments with a black band in the middle.

Inhabits *Barbary*; larger than *Ap. floriformis*.

Head black: segments of the *abdomen* pale at the base, black in the middle and fulvous at the tip: legs fulvous, thighs black.

4 *cinerea.* Black; abdomen cylindrical with 4 white bands.

Inhabits *Denmark*; size of *Ap. floriformis*.

Antennae above black, beneath ferruginous: legs yellow, thighs black.

- **Maxilloja*. Black ; mandibles prominent : antennæ shorter than the thorax : abdomen cylindrical with yellow down beneath.
Inhabits *Europe*.
Segments of the *abdomen* with a whitish interrupted margin.
- **Floriformis*. Hairy : abdomen cylindrical incurved, tail 2-toothed.
Inhabits *Europe*. *Hind-shanks* spinous at the tip.
- 6-cincta*. Cinereous: abdomen cylindrical black with 6 yellow bands: legs yellow.
Inhabits *America* and *Southern Europe*.
Antennae reddish : edges of the *segments* yellow.
- Thoracica*. Black ; fore-part of the thorax ferruginous.
Inhabits *Italy*; less than *Ap. floriformis*.
Abdomen cylindrical, the segments fringed at the edges with cinereous hairs : *wings* whitish tipped with brown.
- Flavilabris*. Black ; thorax spotted : abdomen cylindrical with 2 yellow dots and 5 bands: legs yellow.
Inhabits *Italy*; resembles *Ap. 6-cincta*.
Antennae ferruginous: *head* yellow under the antennæ : first segment of the *abdomen* with 2 yellow dots, the rest with a broad yellow band.
- Truncorum*. Black; abdomen cylindrical, the segments edged with white: body beneath cinereous downy.
Inhabits *Europe*.
Thorax immaculate : *wings* white the hind-margin brownish.
- Albilabris*. Black ; with a snowy spot on the lip and dot each side under the wings.
Inhabits *Barbary*; small.
Legs black, shanks covered with cinereous down.
- Flavipes*. Shining black bronzed : legs yellow.
Inhabits *Kiel*; very small.
Head black, lip yellow : *thorax* immaculate.
- **Annulata*. Black with a white front and rings on the legs.
Inhabits *Europe*; smells of Musk.
- Allipes*. Brown : abdomen rufous in the middle : shanks white
Inhabits *Italy*; small.
Lip edged with yellow: *shanks* with a brown spot.

- Similis*. Black ; lip and legs with cinereous down.
Inhabits *Denmark* ; small. *Wings* whitish.
- Triangulum* Glossy-black : front with 3 yellow spots.
Inhabits *Brazil* ; small.
Thorax immaculate : legs black tip with white.
- Morio*. Black ; thorax blueish : abdomen deep glossy-black.
Inhabits *France* ; very small.
Antennæ reddish beneath : *head* immaculate.
- B. Tongue 3-cleft : lip cylindrical with 2 membranaceous bristles each side. *Andrena*.
- **Cerulea*. Brown subvillous : abdomen blueish, the incisures of the segments whitish.
Inhabits *Northern Europe*.
- Rufipes*. Black ; segments of the abdomen fulvous at the edges : legs fulvous : wings tipped with brown.
Inhabits *Barbary* ; large.
- Spiralis*. Black with cinereous down : antennæ convolute : abdomen 4-toothed beneath at the base.
Inhabits *France* ; small.
- Cornuta*. Black ; margins of the abdominal segments whitish, beneath hairy : shield elevated gibbous obtuse.
Inhabits *Barbary*.
Head black with cinereous wool, and under the antennæ a short obtuse horn : legs ciliate black.
- Labiata*. Black, villous ; second and third segments of the abdomen rufous : lip white.
Inhabits *Germany* and *Italy*. Lip yellow.
- Florca*. Thorax pubescent ; abdomen black, the first and second segments rufous, the rest reddish at the tip.
Inhabits *Kiel* ; less than the last.
Thorax subferruginous : wings whitish.
- Metallica*. Black bronze : thorax and base of the abdomen covered with cinereous down.
Inhabits *America* ; large,
Crown and thorax cinereous downy : wings white.

- * *Aenea*. Bronzed, with greyish pubescence.
Inhabits *Europe*. Body entirely coppery.
- Cyanca*. Blue, with cinereous down.
Inhabits *Barbary*; size of the last.
Antennae and *legs* black.
- Marginata* Thorax pubescent; abdomen ferruginous, the segments cinereous at the edges, the first segment black.
Inhabits *Germany*; size of *Ap. helvola*.
- * *Helvola*. Thorax ferruginous: abdomen greyish.
Inhabits *Northwestern Europe*. Beneath whitish.
- Bicolor*. Thorax villous ferruginous: abdomen black immaculate.
Inhabits *Denmark*.
- Tricolor*. Thorax black, behind with ferruginous down; abdomen black, the segments edged with white.
Inhabits *America*.
Antennae black, the first joint yellow beneath: *mouth* yellow.
- Curvipes*. Brown; abdomen with 5 yellow belts; legs testaceous, hind-thighs beneath concave and 1-toothed.
Inhabits *Tranquebar*.
Mouth yellow: *antennae* piceous: *shanks* incurved, with a strong spine at the tip.
- Cintra*. Head and thorax covered with green-down: abdomen black, the segments edged with blue.
Inhabits *East India*; large.
Antennae black: *head* brown: *legs* black; *shanks* ciliate and ferruginous on the back.
- Strigata*. Black: thorax with a whitish border; abdomen deep black with 4 greenish bands.
Inhabits *East India*; less than the last.
Head and *thorax* downy: *legs* yellowish.
- Nigrita*. Black: segments of the abdomen with snowy margins.
Inhabits *America*; size of the last.
- Fasciata*. Cinereous downy: abdomen black with 4 white bands.
Inhabits *America*. Abdomen glabrous.
Legs black: *hind-shanks* with cinereous down.

- Zonata*. Brown: subpubescent; abdomen with 4 blue bands.
Inhabits *India*.
- Circulata*. Thorax downy fulvous: abdomen black, the segments edged with white.
Inhabits *Guinea*; small.
Antennae black: *head* covered with fulvous down, lip whitish with 2 black dots: *legs* black.
- Pilipes*. Glabrous, black: hind-legs fringed with white: wings brown.
Inhabits *Italy*; size of *Ap. hæmorrhoidalis*.
- Carbonaria*. Black; thorax cinereous downy; legs smooth: wings brown.
Inhabits *Germany*; size of the last.
- Hirjuta*. Hairy ferruginous; hind-legs long, very hairy at the tip.
Inhabits *Spain*.
Antennae piceous, black at the base. *abdomen* beneath glabrous black: *hind-shanks* and *tarsi* rufous.
- Hirtipes*. Cinereous downy: abdomen black with 4 white bands: hind-legs with very thick rufous hair.
Inhabits *Germany*.
Antennae and *crown* black; *shanks* rufous hairy.
- Hæmorrhoidalis*. Black; tail ferruginous.
Inhabits *Sweden*.
Lip with cinereous down: *hind-shanks* rufous.
- Gulosa*. Black: abdomen yellow with a black base: tongue very long.
Inhabits the *Cape of good hope*.
Shanks compressed and very acute on the back.
- Bidentata*. Abdomen brown with 5 white belts: tail 2-toothed.
Inhabits *America*, and forms its nest of the leaves of trees rolled up, in old walls. *Museum* or *Sir Jos. Banks*.
Upper lip hairy yellow: *antennae* black: *thorax* black with cinereous down: *wings* white: *legs* brown; hind-ones long yellow, the *shanks* ciliate.
- Nigricornis*. Glabrous; head and thorax green: abdomen black with 5 yellow bands.
Inhabits *Georgia*; small.

Antennae black; *lip* yellow: *thorax* immaculate; *wings* whitish: *legs* yellow, hind-thighs thick with black joints.

Virescens Head and thorax green-broze: abdomen black.

Inhabits *America*. In the museum of Sir *Jos. Banks*.

Tongue short brown: *wings* and *legs* brown.

Cingulata. Thorax rufous: abdomen black with 4 blueish bands.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Head black with a yellow line: *lip* yellow: *shanks* rufous.

**Succincta*. Thorax hairy fulvous: abdomen black with 4 white bands

Inhabits *Europe*. *Schaeff. Icon. tab. 34. fig. 5.*

Maculosa. Brown subvillous; 3 first segments of the abdomen ferruginous with a large brown spot on the back; fore-part of the lip and shanks yellow, the latter brown in the middle.

Inhabits *Europe*. *Mus. Lesk., p. 78. n. 455.*

Flavicornis Brown subvillous: incisures of the abdomen edged with whitish: lip antennæ and shanks yellow.

Inhabits *Europe*. *Mus. Lesk. p. 78. n. 456.*

Fuscicornis Brown, subvillous; incisures of the abdomen ferruginous at the edge: lip and shanks yellow, middle of the latter and antennæ brown.

Inhabits *Europe*. *Mus. Lesk. p. 78, n. 457.*

Subvillosa. Brown subvillous: 2 first segments of the abdomen and fore-part of the antennæ ferruginous: shanks white at the base.

Inhabits *Europe*. *Mus. Lesk. p. 78. n. 458.*

Rubricornis Brown, subvillous: antennæ beneath ferruginous; ends of the legs white,

Inhabits *Europe*. *Mus. Lesk. p. 78 n. 459.*

Guttata. Black, punctured: incisures of the abdomen pale yellow.

Inhabits out of *Europe*. *Mus. Lesk. p. 78. n. 461. b.*

C. *Tongue* 3-cleft: *hind-feelers* tongue-shaped. *Nomada*.

Histris. Thorax abdomen and legs variegated with white and black; scutell emarginate.

Inhabits *East India*.

Antennæ:

Antennae black : front villous white : *abdomen* black, the segments with each a white dot each side : *legs* black spotted with white.

Scutellaris Black ; with cinereous down ; *abdomen* black dotted each side with white : *scutel* prominent 2-toothed.

Inhabits *Siberia*. Museum of Sir *Jos. Banks*.

Front covered with white down : *legs* black, flanks with a large white spot : *upper-wings* brown, with a white marginal spot.

Punctata. Black ; *abdomen* dotted with white each side ; *scutel* with a single spine ; *legs* ferruginous.

Inhabits *Canada*: half the size of the last.

Antennae ferruginous, black at the base : *lip* silvery : *thorax* with a callous dot before the wings: *legs* rufous, thighs black.

Tibialis. *Scutel* 2 toothed , *thorax* black spotted with white : *abdomen* with 6 white spots : *legs* rufous.

Inhabits—size of the last.

Thorax black with 2 villous dots and dorsal line : *scutel* with a villous groove in the middle : *wings* brown with a whitish spot on the upper-pair.

Variegata. *Thorax* and *abdomen* variegated with white : *legs* ferruginous.

Inhabits *Europe*. *Scutel* white or ferruginous.

Agrilis. Hairy : segments of the *abdomen* tipped with black.

Inhabits *Spain*. Colour various.

Antennae black : *head* and *thorax* with rufous hair : *abdomen* rufous, the first segment black at the base, the rest at the tip.

Ruficornis. *Antennae* legs and 4 dots on the *scutel* ferruginous: *abdomen* ferruginous variegated with yellow.

Inhabits *Europe*. *Thorax* with white lines.

Rufipes. Black ; *scutel* yellow : *abdomen* with 2 yellow spots each side and 2 bands.

Inhabits *Germany*; less than the last.

Antennae black, rufous at the base : margin of the *lip* a little rufous : *thorax* spotted with yellow.

Striata. Ferruginous : *thorax* with black lines: *abdomen* rufous spotted with yellow.

Inhabits *Europe* ; size of the next.

Antennae ferruginous : *head* with a black spot in the middle : *thorax* with ferruginous spots beneath : *wings* whitish with a brownish tip : *legs* rufous.

Fabriciana Black ; abdomen glabrous ferruginous with 2 yellow spots.
Inhabits *Upsal*.

Fulvicornis Black ; antennae and legs ferruginous : scutel with 4 yellow dots : abdomen with 5 yellow bands.

Inhabits *Italy*.

Lip yellow : *antennae* rufous, the first joint yellow beneath : *thorax* spotted with yellow.

**Gibba* Black ; abdomen rufous tipped with black.
Inhabits *England*. Abdomen glabrous.

Albilabris. Black ; abdomen rufous, the first segment black.
Inhabits *Kiel*.

Lip silvery : *thorax* immaculate.

Hattorfiana Black ; second segment of the abdomen rufous with 3 black spots.

Inhabits *Germany*.

First segment of the *abdomen* black with a ferruginous margin, 2. ferruginous with 3 black spots, 3, 4, black edged with white, 5, black, tail reddish : *legs* black, the hind-ones covered with white wool.

Cingulata.] Cinereous downy ; abdomen glabrous black, the second and third segments ferruginous.

Inhabits *Sweden*. *Wings* white.

In one *Sex* the abdomen is rufous.

Riparia. Abdomen elliptic glossy : wings edged with black.

Inhabits *Italy*. *Scop. Ann. Hist.* 4. p. 45. n. 1.

Segments of the *abdomen* sometimes edged with white at the sides.

Squalida. Black ; upper-wings with a black dot in the middle of the margin.

Inhabits *Carniola*: *Scop. Ann. Hist.* 4. p. 45. n. 3.

Montana, Reddish ; abdomen elliptical black, the segments edged with white.

Inhabits

Inhabits *Carniola*. *Scop. An. Hist.* 4. p. 45. n. 4.
Margin of the *upper-wings* reddish.

Minor. Black ; antennæ mouth abdomen and joints of the hind-legs rufous.

Inhabits *Carniola*. *Scopol. Ann. Hist.* p. 45. n. 5.
Wings edged with black.

Raunnculi Black ; segments of the abdomen rufous at the margin each side.

Inhabits *Carniola*. *Scop. Ann. Hist.* 4. p. 46. n. 6.
Front hairy : *wings* with a rufous margin.

Nasuta. Abdomen oblong : jaws prominent obtuse.

Inhabits *Carniola*. *Scop. Ann. Hist.* 4. p. 47. n. 8.

Tranquebarorum. Beneath hairy : front yellow : breast with a white spot each side : wings violet.

Inhabits *Tranquebar*. *Asi. Stock.* 1787. 4. n. 2. 37.

Maura. Very hairy, black : jaws very broad and rounded at the tip : wings violet ferruginous.

Inhabits *Brazil*. *Stock. Trans.* 1787. 4. n. 2. 38.

D. Tongue 5-cleft: feelers very short. Apis.

Latipes. Hairy, black : fore-tarsi flat yellow and ciliate within.

Inhabits *China*. *Drury. Inj.* 2. tab. 48. fig. 2.
Wings violet : *shanks* with 2 ferruginous dots.

Morio. Hairy, black immaculate : wings blue.

Inhabits *Brazil*. *Museum of Sir Jos. Banks*.
Resembles the last, but the *legs* are all simple.

Violacea. Hairy black : wings violet.

Degeer. Inj. 3. tab. 8. fig. 15. *Reaum. Inf.* 6. tab. 5. fig. 1. 2.

Inhabits *Southern Europe*, in the trunks of decayed trees, which it perforates longitudinally and forms numerous nests, in each of which is deposited a single egg : these nests are made of the pollen of vegetables mixed with honey, and are begun from the bottom.

Splendida. Almost naked, blue : abdomen shining green-bronze.

Inhabits *Cayenne*; nearly as large as the last.

Head blue : *antennae* black : *eyes* large testaceous ; *wings* blue : *legs* blue, hind-shanks and tarsi with thick black fringe.

Nigrita. Hairy, black : front and sides of the abdomen cinereous.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Thorax and *wings* black : *breast* cinereous.

B

Dimidiata. Hairy ; segments of the abdomen edged with cinereous, tail rufous : wings black at the base.

Inhabits *Surinam* ; large.

Head with 3 raised lines, lip arched obtuse, *thorax* silky black : *scutellarge* square : *wings* black from the base to the middle, the tip whitish : *hind-shanks* very thick and 2-toothed at the base.

Carolina. Hairy, black : abdomen yellowish above.

Inhabits *America*.

**Terrestris* Hairy, black : thorax with a yellow band : abdomen with a yellow belt, tail white or yellow. *Humble bee*.

Donovan. iii. tab. 88. fig. 1. *Reaum*. 6. tab. 3. fig. 1.

Inhabits *Europe*, and forms its nest deep in the earth.

Cryptarum Hairy, black : abdomen with a yellow band, tail white.

Inhabits *Germany* ; size of the last.

Ruderata. Hairy, black : thorax yellow with a black band : abdomen yellow on the fore-part, tail white.

Inhabits *Germany* and *Madeira*. *Cyrill. Ent. Neap.* 1. t. 2. f. 5.

Nemorum. Hairy, black ; thorax with an interrupted yellow band : tail pale.

Inhabits *Germany* ; size of *Ap. terrestris*.

Sorrensis. Hairy, black : tail white.

Inhabits *Germany*. *Schaeff. Icon. tab.* 251. fig. 6.

Lapponica. Hairy, black : thorax yellowish with a black band : abdomen rufous, tail yellowish.

Inhabits *Lapland*, large.

Sarinentis. Hairy black : abdomen yellow except the first segment.

Inhabits *Surinam*. *Degeer. Inj.* 3. tab. 28. fig. 9.

Hind-thighs dilated and 1 toothed at the tip.

Virginica. Hairy, pale : abdomen black except the first segment.

Inhabits *Virginia*. *Drury Inj.* 1. tab. 43 fig. 4.

- Antiquensis* Hairy, black : thorax and fore-part of the abdomen yellow.
Inhabits *Antigua*. *Wings* brown.
- Hispanica*. Hairy, yellowish : abdomen tipped with black : middle pair of legs with tufts of hairs.
Inhabits *Spain* ; large. *Lip* yellow.
- Americano-rum*. Hairy, black : thorax yellow before ; abdomen yellow, tail black.
Inhabits *America*; size of *Ap. terrestris*.
Thorax yellow before and black behind : *abdomen* yellow, tail black.
- Caffra*. Hairy, black : hind-part of the thorax and fore-part of the abdomen yellow.
Inhabits the *Cape of good hope*.
- Africana* Hairy, black : thorax yellow on the back : abdomen greenish, the first segment yellow.
Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Head black with green down : *antennae* black, ferruginous at the tip : *thorax* full yellow, the fore-margin black : *wings* brown.
- Olivacea*. Hairy, greenish : abdomen beneath and tip of the 4 hind-legs black.
Inhabits *Sierra Leona*.
Head hairy green : *antennae* and *tongue* black.
- * *Hortorum* Hairy, black : thorax yellow before : abdomen with a yellow band, tail white.
Inhabits *Enrope*; less than *Ap. terrestris*.
- Equestris*. Hairy, yellow : head, band on the thorax and under-part of the abdomen black.
Inhabits *Northern Europe*. *Abdomen* paler at the tip.
- Arbustorum* Hairy, black : thorax yellow before : tail red.
Inhabits *Denmark*. *Front* with yellow hair.
- * *Agrorum*. Hairy, black : thorax and tail ferruginous.
Inhabits *Europe*; large.
- * *Lapidaria* Hairy, black : tail red : wings whitish hyaline.
Inhabits *Europe*, under heaps of loose stones.
Donovan. iii, tab. 108. fig. 2. tab. 88. fig. 1.

- Rufefris.* Hairy, black: tail reddish: wings blackish.
Inhabits *Germany*. Tail paler than the last.
- **Sylvarum.* Hairy, pale with a black band on the thorax: hind-part of the abdomen black, tail rufous.
Inhabits woods of *Europe*.
Head and antennae black, front yellow; legs black.
- Bryorum.* Hairy, yellow: abdomen greenish.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Large. Legs yellow, thighs black.
- Saxatilis.* Hairy, black: thorax fulvous; tail white.
Inhabits *Lapland*. *Ap. rupestris. Fabric. App. p. 46c.*
Head black, crown a little ferruginous.
- Italica.* Hairy, fulvous: head and legs black.
Inhabits *Italy*. Eody beneath black.
- **Muscorum* Hairy, fulvous: abdomen yellow.
Reaum. Inf. 6. tab. 2. fig. 3, 4. Schacff. Icon. tab. 69. fig. 8.
Inhabits *Europe*, in meadows where it forms a nest of moss.
- **Hypnorum* Hairy, fulvous: abdomen with a black band, tail white.
Inhabits *Europe*. *Reaum. Inf. 6 tab. 4. fig. 1.*
- Sibirica.* Hairy, yellow: thorax with a fulvous band: tail fulvous.
Inhabits *Siberia*. In the museum of Sir *Jos. Banks*.
- Priatorum.* Hairy, yellow: thorax with a black band.
Inhabits *Denmark* and *Siberia*. Legs black.
- **Lucorum.* Hairy, yellow: tail whitish.
Inhabits woods of *Northern Europe*.
- **Acerworum.* Hairy, black: hind-thanks ferruginous.
Inhabits *Europe*. *Donovan, iii. tab. 108. fig. 2.*
- **Subterranea.* Hairy, black: tail brown.
Inhabits *Europe*. Builds its nest under the earth.
- Parictina.* Hairy, black: third and fourth segments of the abdomen greyish.
Inhabits *Germany*. Tarsi ferruginous with black rings.

- Mniorum.* Hairy, black: scutell and abdomen palish, tail rufous.
Inhabits *Kiel*: less than the last.
- Brasili-
nerum.* Hairy, dull rufous: thighs black at the base.
Inhabits *America*.
Antennae above brown, beneath testaceous: *abdomen* with darker
bands above and yellow ones beneath.
- Æsuans.* Hairy, blueish-black: thorax yellow above.
Inhabits *America*. *Degeer. Ins. 3. tab. 28. fig. 7.*
Abdomen black with a violet gloss: *wings* blue.
2. *Thorax* entirely white hairy. Inhabits *China*.
- Tropica.* Hairy, black: abdomen yellow behind.
Inhabits near the Line.
- Autumnalis* Hairy, thorax grey with a black band: abdomen black
with a grey base, tail white.
Inhabits *Germany*; half the size of *Ap. ruderata*.
Abdomen beneath white hairy: *tarsi* piceous.
- Senilis.* Entirely covered with cinereous hair.
Inhabits woods of *Denmark*.
- Veterana:* Hairy, cinereous: thorax with a black band.
Inhabits *Kiel*. *Tarsi* testaceous.
- Pygmæa:* Hairy; thorax fulvous: abdomen whitish.
Inhabits *Kiel*. very small.
- Seminuda.* Thorax hairy black, the fore-part yellow: abdomen black
naked with an interrupted hairy band.
Inhabits *Germany*.
- Lagopoda.* Grey; fore-legs dilated and fringed, hind-shanks clavate
tail emarginate.
Inhabits *Europe*. *Sulz. Hist. Lny. tab. 27. fig. 17.*
- Hirtipes.* Nearly naked, black: hind-shanks with thick yellow hair.
Inhabits *Surinam*; large.
Sides of the *abdomen* with a fulvous dot beneath: *wings* violet.
- Purpurascens.* Nearly naked, violet: abdomen ferruginous at the base.
Inhabits—In the *British Museum*.
Thorax reddish under the scutell: *abdomen* ovate.

Amethysina Nearly naked; black: wings violet.

Inhabits *East India* and *Italy*; small.

Amalthea. Nearly naked, black: wings blue tipped with brown; hind-legs long and larger than the abdomen.

Inhabits *Cayenne*; very small.

Muffians. Blue-black hairy: abdomen fulvous with a coppery shade, the first segment black.

Inhabits *Cayenne*.

Head blue: antennæ black: thorax blue with thick short hairs: wings subferruginous, the tip whitish.

* *Pilipes*. Grey; middle legs with tufted hairs.

Inhabits *England*. *Pall. Spic. Zool.* 9. tab. 1. fig. 14.

Plumipes. Thorax fulvous: abdomen black with a fulvous tip: hind-thanks compressed dilated hairy black.

Inhabits *India*. In the museum of Sir *Jos. Banks*.

Antennæ black: lip yellow: front black with a yellow line: sides of the abdomen spotted with white: fore legs white villous, the others black.

Armata. Black; abdomen brassy-green: hind-thanks very hairy: thorax 2-spined each side.

Inhabits *Surinam*; large.

Head black with 4 yellow dots on the lip.

* *Cunicularia*. Pubescent; thorax ferruginous: abdomen brown: legs covered with thick hair.

Inhabits *Europe*, in gravelly banks.

* *Mellifica*. Pubescent; thorax greyish: abdomen brown, hind-thanks ciliate and transversely striate within. *Common Bee*.

Male. *Reaum. Inf.* 5. tab. 21, 23. tab. 22. fig. 2.

Female. *Reaum. Inf.* 5. tab. 22. fig. 3.

Neuter. *Reaum. Inf.* 5. tab. 22. fig. 1.

Inhabits *Europe*, in hollow trees but is chiefly kept in hives.

This well known and busy insect lives among large societies, composed of males or drones, females or queens, and neuters or working bees. The *Drone* has no sting, nor are its feet or proboscis adapted for collecting honey or wax, but it leads a life of idleness and gluttony. The *Queen* has very short wings and is larger than the others: after having destroyed all the rest of the females which are in the larva or pupa state, she remains under the care and protection of the working-bees, who feed her and follow her wherever she goes. She lays from 3 to 4000 eggs in the space of about 2 months which she deposits

deposits in cells adapted to their several kinds. When the bees are too numerous for their accommodation in the hive, the Queen becomes agitated and communicates this agitation to her subjects; she then rushes out, followed by a multitude of working bees who swarm round her, and when she is fatigued and settled on any place, they cling round her and guard her with the greatest care. After this swarm is departed, another Queen newly transformed from the pupa state, is set at liberty, and soon migrates with a fresh swarm. This is repeated 4 and sometimes 5 times in the summer, till the hive becomes weakened, and then the remaining Queens fight among themselves till only one is left. The *working bees* are extremely numerous, and to their industry is committed the formation of the cells, the collection of the wax and honey, and the care of providing and administering food to the Queen the males and the unhatched worms. From the nectar of flowers they procure honey, and from the pollen or dust which covers the stamina of many vegetables they gather wax. This last is brought home in an unwrought state, in hollows under the thighs, and after being eaten and macerated in the stomach, is discharged in small parcels, and moulded by the jaws into perfect wax. They defend the entrance of the hive against all intruders with the most determined resolution, and keep in imprisonment and under guard the young Queens, till the old one has disappeared with a swarm. If by any accident their Queen has been destroyed or lost, they become inactive and stupid, and readily adopt any other that may accidentally present herself; or enlarge several of the cells containing the eggs of working bees, and give the larvæ issuing from them more abundant nourishment and of a different quality, by which when they change to flies they become Queens. It is likewise the office of the working bees to destroy all the males, when they become useless; which is done by suddenly attacking them in the autumn with their stings, and casting out their dead bodies. A few females of each hive live through the winter, and lay the foundation of other societies.

The *antennae* of the female has 10 articulations, of the males 11, and of the working-bees 15.

Cerana. Black; first segment of the abdomen on the upper-part and 2 streaks behind whitish: hind-thanks compressed.

Inhabits *China*, half the size of the last.

Head black with cinereous down: *antennae* black, the first joint ferruginous at the base: *scutellum* ferruginous: *abdomen* beneath whitish.

Guineensis. Hairy; crown cinereous: abdomen rufous.

Inhabits *Guinea*; larger than *Apis mellifica*.

Antennae black: *head* blackish: *thorax* with cinereous hair, immaculate; *legs* blackish

- Disjuncta*. Black ; hind-part of the thorax and fore-part of the abdomen covered with yellow down : wings brown.
Inhabits *American Islands* ; size of *Ap. mellifica*.
Abdomen blue, the first segment covered with yellow down : *legs* black.
- Rufipes*. Black ; hind-part of the thorax and fore-part of the abdomen covered with ferruginous down : wings testaceous tip with brown.
Inhabits *Africa* ; large. -Museum of Sir *Jos. Banks*.
First segments of the *abdomen* and edge of the second covered with ferruginous down : *legs* ferruginous.
- Thoracica*. Black : thorax rufous : wings tip with brown.
Inhabits *Denmark* ; size of *Ap. cunicularia*.
- Dorsata*. Hairy-black : hind-part of the thorax and back of the abdomen testaceous.
Inhabits *East India* :
Tongue testaceous : *tail* black : *hind-shanks* compressed.
- Vesita*. Black : back of the thorax and abdomen covered with ferruginous hair.
Inhabits *France* ; size of *Ap. thoracica*.
Abdomen beneath black : *wings* white : *legs* black.
- Flavifrons*. Thorax hairy whitish with a black band : abdomen blueish, the tail cinereous.
Inhabits *Brazil*. In the museum of Sir *Jos. Banks*.
Antennae black, the first joint yellow beneath : *front* yellow : *tongue* ferruginous : first segment of the *abdomen* with a ferruginous streak : *fore-shanks* with a yellow line, the rest with a yellow streak.
- **Cineraria*. Black ; thorax hairy whitish with a black band : abdomen blueish.
Inhabits *Europe*. *Schæff. Icon. tab. 22. fig. 5, 6.*
- Aegarensis*. Black, villous ; thorax yellow above : tail white.
Inhabits *Guinea*. *Lip* whitish : *hind-thighs* compressed.
- Analisa*. Thorax villous cinereous : abdomen blueish, tail black.
Inhabits *America* ; twice the size of *Ap. mellifica*.
Front yellow : *antennae* black : *legs* blueish.
- Hæmorrhœa* Thorax vilous ferruginous : abdomen black with glaucous spots on the sides, tail ferruginous.
Inhabits

Inhabits *Germany*.

Front with grey down: *hind-shanks* with rufous hair.

Barbara. Villous, black: tail brown: hind-shanks with thick rufous hair.

Inhabits *Barbary*; small.

Nidulens. Cinereous downy; abdomen black, the segments edged with white: front yellow.

Inhabits *France*; builds under the earth.

Antennae black: *lip* yellow with 2 black dots: *legs* testaceous: *wings* whitish.

* *Manicata* Cinereous; abdomen black with yellow lateral spots; tail 5-toothed.

Inhabits *Europe*. *Schæff. Idon. tab. 32, fig. 11, 12.*

Florentina. Abdomen black with yellow lateral spots and very hairy beneath, the 3 last segments toothed each side.

Inhabits *Southern Europe*; resembles the last.

Lip yellow: *thorax* hairy: *abdomen* above black, the tail 3-toothed; *legs* yellow, thighs black.

Ireos. Thorax hairy ferruginous: abdomen black with 3 white interrupted bands: hind-tarsi angular dilated.

Inhabits *Russia*, on the flowers of the *Iris*.

Mouth and *lip* yellow: first segment of the *abdomen* with ferruginous wool, 2, 3, 4. with a white band.

Stillica. Thorax black immaculate: abdomen black with 6 transverse rufous spots each side.

Inhabits flowers of *Barbary*.

Antennae ferruginous tipped with black: *head* black with a ferruginous hind-margin: *abdomen* very hairy beneath, tail entire: *legs* ferruginous, thighs black at the base.

Maculata. Black; thorax spotted: abdomen with 6 transverse yellow spots each side, tail entire.

Inhabits *Italy*.

Head black with 2 yellow dots, *mouth* yellow: *thorax* with yellow lateral spots: *thighs* rufous, *shanks* above yellow beneath black.

Interrupta. Pubescent, black: abdomen with 5 yellow streaks, the 2 first interrupted; tail 2-toothed.

Inhabits *Italy*; size of the last.

Lip and dot above the eyes yellow.

- Variiegata.* Black; segments of the abdomen with 4 transverse yellow spots.
 Inhabits *Italy*.
Head brown; lip with a yellow spot each side and dot behind the eyes: *thorax* brown with a yellow marginal line and 2 scutellar dots: *abdomen* with rufous hairs beneath: *legs* yellow, thighs black above: *tail* entire.
- Rotundata.* Black; with cinereous hair: abdomen nearly globular, the segments edged with white.
 Inhabits *Germany*.
Lip downy yellowish: *thorax* with grey hair.
- Fulvipes.* Varied with brown and ferruginous: abdomen yellow, the segments edged with black.
 Inhabits *Spain*; size of *Ap. variegata*.
Head ferruginous, black between the antennæ, lip yellow: *antennæ* black: *thorax* black with a ferruginous margin: *abdomen* with a black dorsal line on the first and second segments: *legs* ferruginous, thighs black at the base.
- Globosa.* Black: abdomen subglobular with an oblique whitish streak each side, the segments edged with whitish: hind-thanks very hairy.
 Inhabits *South American Islands*.
Antennæ black, subserruginous at the tip: *orbits* grey: *thorax* covered here and there with cinereous down: *legs* black, tarsi reddish.
- Ferruginea.* Head and thorax black with ferruginous spots; abdomen and legs ferruginous.
 Inhabits *Spain*; small.
Mouth and hind-margin of the *head* ferruginous.
- Tuberculata.* Thorax pubescent; abdomen black with a grey edge, tail fulvous.
 Inhabits *Kiel*; less than *Ap. manicata*.
Mandibles ferruginous before the tip: *head* with a large sharp ridged tubercle under the throat; *thorax* fulvous: *legs* black with a fulvous fringe.
- Fasciata.* Above pale yellow with a black band at the base of the wings.
 Inhabits *Africa*.
 Two first segments of the *abdomen* black with white sides.

- Dicornis*. Front 2-horned ; head black : abdomen hairy rufous.
Inhabits *Northern Europe*.
- Tunensis*. Black ; thorax hairy rufous : edges of the abdominal segments with rufous fringe.
Inhabits *Barbary*; size of *Ap. rufa*.
Head brown with grey down : *antennae* black.
- **Rufa*. Brown : abdomen reddish : front white.
Inhabits *Europe*. *Sulz. Hist. Inf. tab. 27. fig. 15.*
- Rufipennis*. Black ; abdomen hairy ferruginous : wings testaceous with darker tips.
Inhabits *Santa Cruz*, in the hollow of trees.
Thorax villous, blackish before and ferruginous behind.
- Lanata*. Thorax ferruginous : abdomen black with white bands, beneath covered with snowy wool.
Inhabits *South American Islands*.
Two first segments of the abdomen hairy ferruginous, the rest glabrous with white edges.
- Bicolorata*. Black ; abdomen hairy, above fulvous beneath snowy.
Inhabits *India*. *Museum of Sir Jos. Banks.*
Thorax black with a white villous dot under the wings, behind covered with fulvous down.
- Hirta*. Cinereous hairy : segments of the abdomen edged with white.
Inhabits *Germany* ; *Hind-tarsi* rufous.
- Holosericea*. Downy ferruginous: segments of the abdomen with fulvous fringe, beneath with fulvous wool.
Inhabits *South American Islands*.
Front fulvous with a black spot in the middle : *thorax* black on the back with a streak of 4 fulvous dots between the wings : legs black, flanks testaceous.
- Villosa*. Black ; thorax and abdomen cinereous hairy, the latter covered with black wool beneath.
Inhabits *India*; size of *Ap. centuncularis*.
Thorax black with cinereous wool at the base ; first segment of the abdomen with grey hair : wings brown.
- Rufescens*. Covered entirely with cinereous pubescence.
Inhabits *Italy*.
Segments of the abdomen paler at the edges.

Argentata. Downy cinereous : abdomen black, the edges of the segments white, beneath with silvery hair.
Inhabits *Barbary* ; small,

Myiacea. Black ; abdomen entirely ferruginous.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Head, thorax and legs villous black : wings brown.

**Centum-
cularis.* Black ; abdomen covered beneath with fulvous hair.
Dowson. iv. tab. 120. *Reaum. Inf.* 6. tab. 16. fig. 3. 4.
Inhabits *Europe*, and forms its nest in the body of oak and other timber trees, which it bores into, and after removing the dust and making the cavity perfectly smooth, curiously lines it with rose-leaves : it then deposits its eggs, each in a separate cell, and leaving a sufficient quantity of proper food for the larvæ, closes up the entrance with rose-leaves, cemented by a kind of glue or paste. The larva, after having consumed all its provisions, eats its way out and soon becomes a perfect insect.

**Punctata.* Black with cinereous down ; abdomen deep black, the segments with a white dot each side.
Inhabits *England*.
Abdomen short glossy black, the first and second segment with a tuft of whitish hairs each side, 3. 4. 5, with a white dot each side, the last immaculate : legs black, shanks with cinereous rings.

Luctuosa. Head thorax and first segment of the abdomen cinereous downy : hind-shanks compressed.
Inhabits *East India*.
Head whitish before and black behind, lip black : wings whitish.

Bisincta. Villous cinereous : abdomen black with 2 approximate whitish bands near the tip.
Inhabits *East India*.
Lip yellow, with a black spot above it in which is a yellow line : abdomen with marginal white dots : legs black, the hind-ones compressed : wings whitish.

Grisea. Villous cinereous : abdomen black with 4 white bands, the 2 first interrupted.
Inhabits *Italy*. *Fabric.* iv. *Append.* p. 460.
Legs cinereous hairy, hind-shanks with rufous hair.

Cincta. Thorax villous cinereous : abdomen brown, the edges of the segments fulvous.

Inhabits

Inhabits *Africa*. Museum of Sir *Jos. Banks*.

Abdomen beneath covered with fulvous down : *legs* and *wings* brown.

Musciiformis Black ; *abdomen* shining grey.

Inhabits *Guinea*. *Body* thick, resembling an *Cestrus*.

Legs black, hind-shanks dilated : *wings* hyaline.

Bombylans. Shining blue : *abdomen* bronzed.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Tail with a few white hairs : *wings* and *legs* blue.

Majcaria. Blueish : *tail* whitish.

Inhabits *New Hollan*. In the museum of Sir *Jos. Banks*.

Antennae black, the tip brown beneath : *head* black with a yellow front : *thorax* with cinerous down : *wings* hyaline.

Hæmorrhoidalis. Black : *abdomen* rufous-bronze with a red tail.

Inhabits *South American Islands*.

Antennae black, the first joint yellow beneath : *lip* yellow : *front* black with yellow dots.

Bucephala. Black ; *head* yellow : segments of the *abdomen* edged with rufous above and white beneath.

Inhabits *Guinea* ; small.

Head villous yellowish : *antennae* black : *thorax* black with white down : *legs* black with white down : *wings* whitish.

Dentata. Shining green : *wings* black : hind-thighs toothed.

Inhabits *American Islands*. *Sulz. Hist. Inf. tab. 17, fig. 16.*

Body entirely green-broze : *tongue* very long.

Cordata. Shining green : *wings* hyaline : *abdomen* heart-shaped : hind-shanks dilated.

Inhabits *Surinam*. *Degeer. Inf. 3. tab. 28. fig. 5.*

Grassipes Brown ; *abdomen* short : hind-shanks compressed elevate and larger than the *abdomen*.

Inhabits *South American Islands*.

First segment of the *abdomen* piceous : *wings* whitish.

Versicolor. *Thorax* hairy greyish : *abdomen* blue with a reddish tail.

Inhabits *South American Islands*.

Lip yellowish : hind-shanks woolly.

4-dentata. Brown : *abdomen* with 5 white bells ; *tail* 4-toothed, the middle teeth bifid.

Inhabits *Europe*. *Swammerdam Bibl. Nat. tab. 26. fig. 4.*

Lunipes.

- Lanipes*. Thorax cinereous : abdomen rufous : hind-legs very hairy :
Inhabits *South American Islands*.
Lip yellow with a cup shaped black spot.
- Cæcutiens*. Brown : abdomen glabrous ferruginous and spotted with
black each side.
Inhabits *Germany*. Eyes white dotted with black.
- Tridentata*. Scutel 3-toothed ; abdomen conic very acute, the segments
edged with white.
Inhabits *South American Islands*.
- **Conica*. Brown ; abdomen conic very acute, the segments edged with
white.
Inhabits *Europe*. *Reaum. Inj.* 6 tab. 11. fig. 2. 3. 4.
2 Wings blue. Inhabits *New Holland*.
- Semicincta*. Black ; abdomen with white marginal spots, rufous beneath :
tail 2-toothed.
Inhabits *New South Wales*.
Head covered with cinereous down : wings whitish.
- Florea*. Grey villous : abdomen glabrous, rufous tip with black.
Inhabits *East India*. Hind-shanks compressed.
- Spinipes*. Black ; hind-shanks compressed ferrate yellow.
Inhabits *New South Wales* ; small.
Abdomen a little reddish above : wings dusky.
- Labiata*. Black : abdomen rufous tip with black : lip projecting re-
flected and slightly horned.
Inhabits — Size of *Ap. florea*.
Lip yellowish : legs black tip with yellow.
- Seladonia*. Hairy ; greenish : segments of the abdomen edged with
white.
Inhabits *Italy* ; size of *Ap. bicincta*.
Head and thorax greenish with grey down : legs grey, thighs
white.
- Viridula*. Shining green : abdomen black, the segments edged with
white.
Inhabits — larger than the next.

Thorax with a testaceous callous spot before the wings: *abdomen* pubescent: *wings* whitish: *legs* yellow, *thighs* black.

Smaragdula Green: *abdomen* with 4 black spots.

Inhabits *Tranquebar*.

Lip testaceous: the fourth and fifth segments of the *abdomen* with each 2 black spots.

Callosa.

Shining black-blue: *lip* and callous dot on the *thorax* each side before the *wings* white.

Inhabits *Italy*: small. *Fabric. App. p.* 460.

Legs black fringed with pale hairs at the tip.

Minuta.

Shining black with a white dot each side before the *wings*; hind-thanks white at the base.

Inhabits *Kiel*; very small.

Abdomen ovate black, the tail greyish: *wings* white, upper-pair with a marginal black dot.

Pygmaea.

Black with a green gloss: *abdomen* white, the segments black at the base.

Inhabits *Italy* very minute. *Fabric. App.* 3. 461.

Antennae above black, beneath whitish: *scutellum* white with a black streak in the middle: *legs* hairy white.

Mexicana.

Black; *wings* blueish-black: *abdomen* with an obovate petiole.

Inhabits *America*; large.

Carbonaria

Black; *wings* blueish-brown.

Inhabits *Africa*; size of a common bee.

Retusa.

Black; slightly hairy: *abdomen* retuse at the base: hind-thanks woolly without

Inhabits *Europe*. *Fn. Succ.* 1689.

Barbarica:

Black; *thorax* with a rufous border.

Inhabits *Barbary*; size of a large ant.

Ferruginosa.

Black; glabrous: *abdomen* antennæ moth and legs ferruginous.

Inhabits *Europe*. *Thighs* black at the base.

Bipunctata

Hairy, black: *abdomen* with 2 yellow belts, the first with 2 lateral black dots.

Inhabits *Siberia*. *Lepechin It. 2. tab.* 17. fig. 3.

- Cariofa.* Brown : subvillous : front and legs yellow.
Inhabits *Europe*, in rotten wood. *Fn. Suec.* 1708.
- Dimidiata.* Hairy, black with 2 interrupted yellow bands on the back ;
wings reddish from the base to the middle, the lower
half brown.
Inhabits *Siberia*. *Lepechin. It.* 1. tab. 17. fig. 10.
- Alpina.* Hairy ; thorax black : abdomen pale yellow.
Inhabits the Alps of *Lapland*. *Fn. Suec.* 1719.
- Leucorrhousa.* Hairy : thorax pale yellow : abdomen black, the hind-part
white.
Inhabits *Europe*. *Mus. Lesh.* p. 78. n. 427.
- Cbaloptera* Hairy, yellowish: base of the antennæ yellow before: wings
with a copper gloss.
Inhabits out of *Europe*. *Mus. Lesh.* p. 78. n. 473.
- Cyanoptora* Hairy, black : wings violet with a broad brown hinder
and thinner margin : ends of the legs beneath fer-
ruginous.
Inhabits—*Mus. Lesh.* p. 78. n. 474.
- Nigrocapilla.* Hairy, black : thorax grey before : legs glabrous, the ends
ferruginous.
Inhabits *Europe*. *Mus. Lesh.* p. 78. n. 475.
- Grisea.* Hairy, grey : front white : edges of the abdominal segments
grey.
Inhabits *Europe*. *Mus. Lesh.* p. 79. n. 499.
- Collina.* Villous whitish : abdomen black with 3 whitish belts.
Inhabits *Cariniola*. *Scopol, Ann. Hist.* 4. p. 12. n. 6.
- Floralis.* Rufous : abdomen with 4 or 5 black bands.
Inhabits *Europe*. *Scopol. Ann. Hist.* 4. p. 12. n. 7.
- Musciformis* Black ; proboscis rufous : eyes yellow : wings violet-
brown.
Inhabits *Cariniola*. *Scopol, Ann. Hist.* 4. p. 12. n. 8.
- Luticosa.* Hairy, black : thorax with a white spot each side, abdomen
with 4.

Inhabits Hungary. *Scopol. Ann. Hist.* 4. p. 13. n. 9.
Snout ferruginous : *thorax* whitish before.

Degener. Hairy ; thorax rufous villous : abdomen with black bands : antennæ as long as the upper-wings.

Inhabits *Carniola*. *Scopol. Ann. Hist.* 4. p. 13. n. 10.

Vespa. Hairy, rufous : front interrupted bands on the abdomen and legs yellow.

Inhabits Hungary. *Scopol. Ann. Hist.* 4. p. 14. n. 11.

Upper wings footy : abdomen shining, with 2 yellow spots at the base each side.

Agilissima. Black with whitish down : abdomen oblong lucid, the segments with paler edges.

Inhabits Hungary. *Scopol. Ann. Hist.* 4. p. 14. n. 12.

Snout very long : wings with black veins.

Fuliginosa Black ; subpubescent : abdomen round, the segments yellowish at the edges : wings footy.

Inhabits Hungary. *Scopol. Ann. Hist.* 4. p. 13. n. 13.

Arvensis. Hairy, black ; thorax horny with a blackish band : abdomen ferruginous with a grey tail.

Inhabits Austria. *Schranck. Int. Aust.* p. 379. n. 800.

Head, legs before and abdomen beneath glabrous.

Fulva. Hairy, black : thorax and abdomen fulvous.

Inhabits Austria. *Schranck. Aust.* p. 400. n. 805.

Bryorum. Black : thorax and base of the abdomen fulvous hairy.

Inhabits Austria. *Schranck. Aust.* p. 402. n. 812.

Convexa. Black with rufous down : abdomen with hollow punctures.

Inhabits Austria. *Schranck. Aust.* p. 405. n. 817.

Front white villous : upper-wings footy,

Cetii. Black, villous : abdomen ferruginous, the tips of the segments yellow.

Inhabits near Vienna. *Schranck. Aust.* p. 405. n. 818.

Front covered with yellowish hairs.

Leucozonis Black, hairy : segments of the abdomen white at the base : legs reddish.

Inhabits Austria. *Schranck. Aust.* p. 406. n. 819.

- Leucojstoma* Black, downy: segments of the abdomen fringed with white: mouth and abdomen beneath white.
Inhabits *Austria*. *Schranck. Aufl. p. 406. n. 820.*
- Hirta*. Black, hairy: upper-wings violet-black: abdomen with a double yellow belt.
Inhabits *Austria*. *Schranck. Aufl. p. 407. n. 822.*
Body covered with impressed dots; *head* glabrous: *lower-wings* hyaline.
- Biscinella* Black, villous: abdomen glabrous with 2 white belts. mouth white.
Inhabits *Austria*. *Schranck. Aufl. p. 411. n. 827.*
- Hemispha-rica*. Black with rufous hairs: abdomen hemispherical.
inhabits *Austria*, *Schranck, Aust. p. 411. n. 827.*
- Fulviven-tris*. Black, slightly downy: abdomen shining, fulvous at the base and tipped with black.
Inhabits *Austria*. *Schranck. Inf. Aufl. p. 411. n. 828.*
Front hoary: *mouth* and *shanks* yellow.
- Novboracensis*. Black, subvillous: wings blueish-black: second and third segments of the abdomen with a yellow band.
Inhabits *New York*. *Drury Inf. tab. 44. fig. 5. ?.*
Fore shanks with an incurved spine: *hind-tarsi* with ferruginous spines.
- *Albifrons* Pubescent: abdomen dotted with white: thorax and shanks white.
Inhabits *England*. *Schaeff. Icon. tab. 21. fig. 14.*
Front truncate: *wings* hyaline with black veins.
- Vesparia*. Black: antennæ mouth jaws legs and wings ferruginous: thorax dotted with yellow: abdomen with 5 yellow bands, the first interrupted.
Schaeff. Icon. tab. 53. fig. 11. and tab. 81. fig. 7.
Inhabits *America* and *Germany*; size of *Ap. mellifica*.
- Sericea*. Head and thorax shining green; abdomen black with 5 yellow bands; legs yellow.
Inhabits *America*. *Forst. Nov. Inf. 1. p. 91.*
Legs and *jaws* yellow: *eyes* and *wings* brown.
- Præcox*. Black with rufous down: abdomen glabrous with 3 bands which are white above and rufous beneath.
Inhabits *Carniola*. *Scop. Ann. Hist. 4. p. 15. n. 14.*

- Vespaoides* Antennæ, mouth scutell and legs fulvous : abdomen with alternate black and yellow belts above.
Inhabits *Austria*. *Schranck. Aust. p. 408, a. 823.*
- Sphegoides*. Mouth yellow : antennæ and legs fulvous : abdomen testaceous with yellow belts.
Inhabits *Austria*. *Schranck. Aust. p. 409. n. 824.*
- Minutior*. Glossy-black : antennæ pale fulvous beneath.
Inhabits *Austria*. *Schranck. Aust. p. 412. n. 829.*
- Sanguinolenta*. Black ; thorax red.
Inhabits *Austria*. *Schranck. Aust. p. 412, n. 830.*
- Leucopus* Front and thorax whitish : scutell 2-toothed : abdomen black, the edges of the segments and legs white.
Inhabits out of *Europe*. *Mus. Lesk. p. 79. n. 489.*
- Leucomelas* Grey ; abdomen black, the second segment with a white spot each side, 3, 4. and the tip edged with white.
Inhabits out of *Europe*. *Mus. Lesk. p. 79. n. 490.*
- Lutea*. Yellowish grey : abdomen brown with a grey spot each side the third segment, the fourth with a whitish margin, the fifth fulvous.
Inhabits *Europe*. *Mus. Lesk. p. 79. n. 495.*
- Acuminata* Grey ; abdomen black with a pointed tip, each segment with a whitish-grey spot each side.
Inhabits *Europe*. *Mus. Lesk. p. 79. n. 496.*
- Fasciventris* Head black ; thorax varied with yellow and grey : abdomen brown pubescent : hind-thighs with white down.
Inhabits *Europe*. *Mus. Lesk. p. 79. n. 497.*
- Nigriventris*. Grey ; abdomen black behind
Inhabits *Europe*. *Mus. Lesk. p. 79. n. 498.*
- Cineroscens* Hairy, grey : front white : segments of the abdomen edged with grey.
Inhabits *Europe*. *Mus. Lesk. p. 79. n. 499.*
- Leskii* Grey, abounded brown with grey down ; front white.
Inhabits *Europe*. *Mus. Lesk. p. 79. n. 500.*

- Crocata*. Front and jaws yellow: thorax pale yellow: abdomen brown pubescent, the last segments edged with grey.
Inhabits *Europe*. *Mus. Lesk.* p. 79. n. 501.
- Liturata*. Yellowish-grey: front with a whitish spot each side in which are 2 small white dots: abdomen brown, the segments edged with yellowish-grey.
Inhabits *Europe*. *Mus. Lesk.* p. 79. n. 505.
- Nebulosa*. Grey: abdomen brown with a ferruginous tip: shanks ferruginous
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 506.
- Fulvipes*. Grey; abdomen black, the segments 3, 4, 5. edged with white: legs fulvous woolly.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 507.
- Annulus*. Grey, hairy: thorax black: abdomen with a black clouded band in the middle.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 508.
- Sordida*. Yellowish-grey: abdomen brown, the edges of the segments grey.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 511.
- Lutescens*. Black, cylindrical: front with grey pubescence; thorax legs and edges of the abdominal segments yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 512.
- Armata*. Brown; head and thorax grey: jaws armed with a tooth at the base: ends of the legs yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 514.
- Denticulata*. Black; antennæ yellow towards the tip: hind-thighs armed with a tooth beneath.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 515.
- Rufescens*. Black; abdomen and shanks rufous.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 516.
- Lutulenta*. Grey-brown pubescent.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 517.
- Chrysosoma*. Black, front white: lip edged with yellow.
Inhabits *Europe*. *Mus. Lesk.* p. 80. n. 518.

Ochrocephala.

Yellow; abdomen black, glabrous, the segments edged with whitish.

Inhabits *Europe*. *Mus. Lesh.* p. 80. n. 519.*Ursina*.

Black; hind-legs fulvous and very hairy.

Inhabits *Europe*. *Mus. Lesh.* p. 80. n. 520.*Nigricans*.

Black; thorax grey: segments of the abdomen edged with yellow grey.

Inhabits *Europe*. *Mus. Lesh.* p. 80. n. 521.*Canis*.

Grey; segments of the abdomen edged with whitish.

Inhabits *Europe*. *Mus. Lesh.* p. 80. n. 522.*Triangulata*.

Black; front with a triangular white spot each side: abdomen ferruginous tipped with black: legs black, flanks whitish at the base.

Inhabits *Europe*. *Mus. Lesh.* p. 80. n. 523.*Rostrata*.

Black; snout incurved horny, projecting from a conic vesicle: incisures of the abdomen with waved yellowish bands.

Inhabits *Siberia*. *Lepech. It.* 1. tab. 19. fig. 6.*Canescens*.

Hoary; snout incurved, horny, projecting from a conic vesicle: abdomen with darker blotches.

Inhabits *Siberia*. *Lepech. It.* 1. tab. 17. fig. 9.

These 2 last are probably not of this genus.

E. Tongue 7-cleft; lip 5-cleft. *Eucera*.** Longicornis*.

Antennæ as long as the body: body hairy and fulvous.

Inhabits *Europe*. *Swammerdam. Bibl. Nat.* tab. 26. fig. 6.

First joint of the antennæ globular: front yellow.

Atricornis.

Antennæ black, as long as the body: body hairy and ferruginous.

Inhabits *Barbary*; size of the last. Lip yellow.** Tumulorum*.

Antennæ as long as the body which is hairy and black: mandibles yellow.

Inhabits *Europe*. *Donovan. Eng. Inj.* v. tab. 151. fig. 2.*Glaucis*.

Antennæ ferruginous, as long as the body which is hairy and glaucous.

Inhabits

Inhabits the *East*.

Two first segments of the *abdomen* with a black band.

Linguaria. Antennæ black, as long as the body: thorax cinereous: abdomen black.*

Inhabits *Saxony*; size of *Ap. longicornis*.

Head black, lip yellow: *abdomen* black immaculate.

Griseus. Antennæ black, as long as the body which is hairy and cinereous.

Inhabits *Barbary*; half the size of *Ap. longicornis*.

Antennata. Antennæ as long as the body: abdomen black with whitish streaks.

Inhabits *Europe*; small.

Lip with a 3-lobed yellow spot: head and thorax with cinereous hairs: *abdomen* glabrous, the edges of the segments fringed with white: legs testaceous.

Farfari-sequa. Antennæ straight, shorter than the body.

Inhabits *Carniola*. *Scop. Ann. Hist. Nat.* 4. p. 9. n. 2.

Curvicornis Blackish-grey: antennæ convolute, subclavate: abdomen roundish: margin of the wings black.

Inhabits *Carniola*. *Scop. Ann. Hist.* 4. p. 9. n. 3.

95. FORMICA. *Feelers* 4, unequal, with cylindrical articulations, placed at the tip of the lip which is cylindrical and nearly membranaceous: antennæ filiform: a small erect *scafe* between the thorax and abdomen: females and neuters armed with a concealed *sting*: males and females with wings, neuters 0.

Ant or *Emmet*.

This is a gregarious and proverbially industrious family, consisting, like bees, of males, females and neuters. These last are the well known little insects, who construct the nests or ant-hills, who labour with such unremitting assiduity for the support of themselves and the idle males and females, and who guard with such ferocity the larvæ or what are commonly called

ant's eggs. They wander about all day in search of food or materials for the nest, and assist each other in bringing home what is too cumbersome for such as have attempted it. They every day bring out of the nest and expose to the warmth of the sun, the newly hatched larvæ, and feed them till they are able to provide for themselves. In the evening they come together whatever has been collected during the day, and do not, as is commonly supposed, lay up any store for the winter, but probably become torpid or die. They are peculiarly covetous of plant lice, and are themselves eagerly sought after by the ant-eater and various birds. A very grateful acid is procured from them by distillation.

- Herculeana*. Black; abdomen ovate: legs ferruginous.
Inhabits *Europe*, in the trunks of decayed trees.
- Compressa*. Black; thorax compressed: tip of the antennæ and thighs rufous: head very large.
Inhabits *Tranquebar*.
Abdomen ovate, the scale entire: *thorax* immaculate.
- Smaragdina*. Green; thorax with yellow lines.
Inhabits *India*; large.
Antennæ a little reddish at the tip: *scale* of the petiole short emarginate: *wings* large white with ferruginous nerves.
- Rufipes*. Hairy, black: legs rufous.
Inhabits *Brazil*. In the museum of Sir *Jos. Banks*.
Head large ovate, rough with ferruginous hairs: *antennæ* brown at the tip: *scale* of the petiole ovate obtuse.
- Bicolor*. Black; scutell abdomen and legs ferruginous.
Inhabits *Barbary*; large.
Antennæ rufous tipped with black: *mandibles* ferruginous, 1-toothed at the tip: *bead* blackish, tip of the lip and front ferruginous: *scale* of the petiole short rounded: *wings* hyaline with a ferruginous costal spot.
- Erythrocephala*. Black; head rufous: scale of the petiole double
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Head large oblong. *antennæ* rufous: *thorax* filiform; legs black, the ends rufous.
- Didyma*. Black; abdomen greyish: scale of the petiole double.
Inhabits *Italy*; size of *F. rufa*.
Antennæ piceous: *thorax* gibbous: *abdomen* covered with cinereous down: *scale* double, or widely emarginate: *legs* black, *thanks* piceous.

- * *Rufa*. Black; thorax compressed, and with the legs ferruginous.
Inhabits *Europe*. *Degeer. Inj. 2. tab. 41. fig. 1, 2.*
- Pubescens*. Black; abdomen pubescent.
Inhabits *Hungary*; size of *F. rufa*.
- * *Nigra*. Glossy-black; tail piceous.
Inhabits *Europe*. *Degeer. Inj. 2. tab. 42. fig. 16.*
- * *Fusca*. Greyish-brown polished: antennæ and legs ferruginous:
wings white.
Inhabits *Europe*. *Degeer. Inf. 2, tab. 42. fig. 18.*
- Flavescens*. Yellowish; abdomen darker with a black dorsal line.
Inhabits *Cayenne*. Scale of the petiole entire.
- Melanocephala*. Pale: head and back of the thorax black.
Inhabits *Cayenne*, where it is a most calamitous pest, consuming
and destroying every kind of provision.
- * *Rubra*. Testaceous; eyes and dot under the abdomen black.
Inhabits *Europe*. *Degeer. Inj. 2. tab. 43. fig. 1.*
- Cinereascens*. Black; head rufous: abdomen greyish.
Inhabits *Tranquebar*; large.
Head rufous, mandibles and antennæ black: abdomen ovate
greenish-grey with a black angle behind the middle: wings
dusky.
- Elongata*. Oblong, rufous: abdomen and legs paler,
Inhabits *Tranquebar*, and is very fierce.
Head large, mandibles black: thorax long compressed: scale
forming an ovate stud in the middle of the petiole.
- 6-guttata*. Oblong, black: abdomen with 3 white dots each side:
antennæ and legs rufous.
Inhabits *Santa Cruz*.
Mouth rufous: scale ovate obtuse entire: wings whitish with a
marginal black spot.
- Færens*. Oblong, black: tail rufous: scale of the petiole subcylindrical and obtuse.
Inhabits *Guinea*; is solitary, has a very disagreeable smell and
preys on other Ants. Large.

Head large ovate, mandibles as long as the head: *scale* of the petiole elevated obtuse.

Albipennis. Oblong, pale: thorax black behind: abdomen reddish.
Inhabits *Santa Cruz*.
Scutell white: *scale* of the petiole ovate gibbous: *wings* white with a black marginal dot.

Rufibarbis. Oblong, black: mouth and thorax rufous.
Inhabits *France*. *Scale* of the petiole ovate obtuse.

Obscureta. Above black, beneath red-testaceous: abdomen subglobular.
Inhabits *Europe*; less than *F. rufa*.

4-punctata. Thorax compressed ferruginous: abdomen black with 4 snowy dots.
Inhabits *Aljace*.
Head black: *antennae* ferruginous: *scale* of the petiole short obtuse: *legs* ferruginous, thighs black.

Virescens. Pale; head and abdomen greenish.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Petiole of the abdomen long, with a small raised tubercle.

Saccharivora. Black; antennæ mandibles and legs rufous.
Inhabits *American Islands*; forms its nest in the sugar cane, to which it is very destructive.

Maculata. Black; hind-part of the thorax and thighs ferruginous: abdomen with pale spots at the sides.
Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Head large, mandibles with many teeth: *antennae* piceous at the tip: *abdomen* ovate hairy.

Barbara. Black; head antennæ and ends of the legs ferruginous.
Inhabits *Africa*.

Viaticea. Ferruginous; abdomen ovate black.
Inhabits *Spain*, in high-ways and paths.
Mandibles blackish at the tip: *thorax* compressed ferruginous, with a single tubercle: *hind-legs* very long with brown shanks.

Pallipes. Glossy-black: antennæ and legs whitish.
Inhabits *Cayenne*; small.

Head small rounded : *thorax* gibbous : *scales* of the petiole truncate and nearly emarginate : *wings* white.

Aegyptiaca Black ; *thorax* rufous, 2-toothed behind : petiole with 2 tubercles.

Inhabits *Egypt* ; small.

Head large brown : *antennae* ferruginous : *thorax* compressed : *legs* ferruginous with subclavate thighs.

Antiguenfis Testaceous ; abdomen tipped with black, the petiole with 2 tubercles.

Inhabits *Antigua*. In the museum of Sir Jof. Banks.

Guineensis. Ferruginous : abdomen black : legs yellowish.

Inhabits *Guinea* ; very small.

Binodis. Black : head very large and rufous : petiole of the abdomen with 2 tubercles.

Inhabits *Egypt*.

Legs rufous, thighs ferruginous.

Omnivora. Thorax rough with raised dots : petiole with 2 tubercles : body testaceous : abdomen very minute.

Inhabits *Surinam*. *Degeer. Inf. tab. 31. fig. 23, 24.*

Flora. Yellow ; abdomen ovate pubescent.

inhabits *Europe*. *Degeer. Inf. 3. tab. 42. fig. 24—28.*

**Caespitum* Black : petiole of the abdomen with 2 tubercles : scutellum 2-toothed.

Degeer. Inf. 2. tab. 43. fig. 21, 22.

Sulz. Hist. Inf. tab. 17. fig. 20, 21, 22.

Inhabits *Europe*, in dry meadows under Moss : the males and females fly abroad in large swarms, in a serene day, like the Day-fly.

Tuberum. Rufous ; head black : abdomen with a black band, the petiole with 2 tubercles.

Inhabits *Sweden* : less than the last.

Antennae tipped with black : *thorax* 2-toothed behind.

Vagans. Rufous : head and back of the abdomen brown : *thorax* 2-spined behind : petiole with 2 tubercles.

Inhabits *Saxony* : twice as large as the last.

Head globular : *antennae* ferruginous.

- Acer-vorum* Rufous; head and abdomen black: thorax 2 spined behind: petiole with 2 protuberances.
Inhabits *Denmark*; resembles the last.
Antennæ and *manabiles* rufous: *legs* ferruginous.
- Unispinosa*. Black; antennæ and legs rufous: scale of the petiole 1-spined: mandibles projecting parallel.
Inhabits *Guadelope*. *Body* elongated.
Head large channelled on the fore-part: *abdomen* ovate black: *legs* red.
- Grossa*. Blackish: thorax 2-toothed under the scutel; abdomen large globular.
Inhabits *Cayenne*; large.
Antennæ piceous, the tip grey: *head* piceous subspinous each side: *wings* ferruginous: *legs* piceous.
- Australis*. Black; thorax unarmed: scale of the petiole 2-spined.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Body entirely covered with cinereous down.
- Bidens*. Thorax with a 2-toothed tubercle: head ovate; antennæ ferruginous, the first joint black.
Inhabits *Surinam*. *Degeer*, *Inf.* 3. *tab.* 31. *fig.* 1. 2.
- Biscutata*. Thorax 2 toothed: scale of the petiole double.
Inhabits *Cayenne*.
Head piceous, pointed behind each side: *abdomen* globular piceous with a black dorsal line: *wings* subterruginous.
- Clavata*. Black; thorax 2-toothed: petiole 1-toothed beneath.
Inhabits *India*; large.
Thorax gibbous, the petiole with a large tubercle and under this a strong spine: *abdomen* ovate, the first segment globular.
- Attelaboides* Black; thorax 2-spined; head tapering behind: legs ferruginous.
Inhabits *Brazil*. Museum of Sir *Jos. Banks*.
Head rough black: *thorax* slender black, behind ferruginous with 2 strong incurved spines: *abdomen* brown pubescent.
- Arenaria*. Thorax impressed behind and 2-toothed: body black; ends of the legs piceous.
Inhabits *Barbary*, in moveable sands.
Head large ovate; *thorax* compressed, the petiole with 2 tubercles: *abdomen* subglobular pubescent.

Megacephala. Thorax 2-spined behind ferruginous: abdomen black: head very large.

Inhabits the Isle of France; small.

Head ovate, larger than the whole body: *antennae* ferruginous: *petiole* with 2 tubercles, ferruginous: *legs* ferruginous.

Ammen. Thorax 2-spined: petiole of the abdomen with 2 incurved spines.

Inhabits New Holland. In the museum of Sir Jof. Banks.

Head small ovate, *thorax* black, with gold down on the back: *abdomen* roundish black, with gold down: *legs* black.

Bihamata. Thorax 4-spined: petiole of the abdomen with 2 curved spines.

Inhabits India. Drury. *Inf.* 2. *tab.* 38. *fig.* 7, 8.

Head small round: *antennae* long: *thorax* ferruginous with a spine each side before, 2 in the middle and 2 tubercles behind: *scale* of the petiole cylindrical and ferruginous at the base, and divided beyond the middle into 2 sharp spines: *abdomen* subglobular black, the base ferruginous: *legs* long black, thighs ferruginous.

Militaris.

Thorax 2-spined before: scale of the petiole 4-spined.

Inhabits Africa. In the museum of Sir Jof. Banks.

Head large gibbous black, carinate each side between the antennae: *abdomen* globular black pubescent: *wings* brown.

4-dens.

Thorax 4-toothed; body black: head with a double carinate ridge.

Inhabits Cayenne.

Head ovate black: *thorax* with 2 short spines before and 2 behind: *scale* of the petiole ovate thick obtuse: *abdomen* ovate.

Cephalotes. Thorax 4-spined: head large double and armed with a spine each side behind.

Inhabits South America, Degeer. *Inf.* 3. *tab.* 31. *fig.* 17.

6-dens.

Thorax 6-spined: head very large double and armed with a spine each side behind.

Inhabits America. Degeer. *Inf.* 3. *tab.* 37. *fig.* 14.

Atrata.

Thorax 4-spined: body black: head depressed margined and 2 spined behind.

Inhabits South America. Degeer. *Inf.* 3. *tab.* 31. *fig.* 17.

Gulesta.

Rufous; abdomen tipped with black, the first segment contracted, mandibles projecting.

Inhabits

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Head ovate, mandibles long pale *thorax* unarmed, compressed in the middle : *petiole* long, with a round tubercle.

Forficata. Brown : abdomen pubescent black, the first segment contracted : mandibles projecting.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*

Head large flat rusty-brown, the mandibles forked and toothed within : *thorax* compressed in the middle ; *petiole* with a globular tubercle : *legs* dull ferruginous.

Rostrata. Thorax compressed, 3-toothed before : mandibles projecting incurved.

Inhabits *Cayenne* ; small.

Head black : abdomen ovate pubescent.

Hamata. Ferruginous ; head very large pale, the mandibles projecting and hooked.

Inhabits *Cayenne*.

Head with a small conic spine at the base each side : mandibles longer than the head, black and hooked at the tip, the base ferruginous : *petiole* with 2 tubercles.

Hematoda. Scale of the petiole conic and very acute : head nearly double, the mandibles projecting.

Inhabits *America*. *Degeer. Inf. 3. tab. 31. fig. 3.*

Mandibles dull rufous, without teeth : head reddish : *thorax* unarmed black : wings hyaline.

Maxillofa. Thorax 6-toothed : head yellowish, the mandibles as long as the head.

Inhabits *India*.

Head large : abdomen brown.

Pharonis. Rufous : abdomen brownish.

Inhabits *Egypt* ; very minute. *Mus. Lud. Utr. 418.*

Salomonis. Red ; abdomen black subvillous.

Inhabits *Egypt* and *Arabia*. *Mus. Lud. Utr. 418.*

Fatida. Petiole with a transversely compressed tubercle : first segment of the abdomen contracted : mandibles projecting.

Inhabits *America*.

Head black with 3 raised dots : abdomen and legs hairy,

Vaga.

Black : abdomen ovate hairy.

Inhabits *Austria*. *Schranck. Inf. Aust. p. 414. n. 835.*

Lives in decayed trees and under rotten bark, and grooves out the wood in various directions.

Venosa.

Head and thorax black : abdomen cylindrical brown : scale of the petiole thick entire : legs testaceous : wings white with testaceous veins and a brown marginal spot.

Inhabits — *Mus. Lesk. p. 81. n. 533.**Melanopis.*

Rufous ; eyes black : abdomen brown on the back ; scale of the petiole entire.

Inhabits *Europe*. *Mus. Lusk. p. 81. n. 534.**Glabra.*

Black ; glabrous ; scale of the petiole 2-toothed : incisures of the abdomen whitish : legs rufous.

Inhabits *Europe*. *Mus. Lesk. p. 81. n. 536.**Testacea.*

Testaceous-brown subpubescent ; antennæ and legs brown : wings white with a ferruginous base.

Inhabits *Europe*, *Mus. Lesk. p. 81. n. 537.**Fuscescens.*

Black ; head as wide as the abdomen : scale of the petiole very short : mouth antennæ and legs reddish-brown.

Inhabits *Europe*. *Mus. Lesk. p. 81. n. 540.**Ruficornis.*

Head and thorax black : abdomen brown ; jaws antennæ and legs testaceous : wings hyaline.

Inhabits *Europe*. *Mus. Lesk. p. 81. n. 541.*

96. **MUTILLA.** *Antennae* filiform : *feelers* 4, the articulations obconic, seated on the tip of the lip : *jaw* membranaceous at the tip : *lip* projecting obconic : *wings*, in most species 0 ; *body* pubescent : *thorax* retuse behind : *sting* pungent, concealed.

Helvola.

Pale claret-red : abdomen cylindrical, pubescent at the tip : thighs compressed.

Inhabits the *Cape of good hope*. *Dorylus helvolus. Fabric.**Feelers* unequal, the fore-ones a little longer with globular articulations, the hind-ones with equal articulations : first joint

of the *antennae* globular, the second very long and cylindrical : *head* with 3 white stemmata : *wings* hyaline with ferruginous veins.

- Coccinea.** Scarlet abdomen with a black belt.
Inhabits *North America*. *Catesby's Carol.* 4, tab. 15.
Wings black : but is generally apterous,
- Antigenes** Scarlet : tip of the abdomen black with white streaks.
Inhabits *Antigua* ; half the size of the last.
Abdomen with a small black spot at the base *legs* black.
- Guineensis.** Thorax subspinous variolous piceous ; abdomen black with 2 white dots and an interrupted band.
Inhabits *Guinea* ; large.
Head punctured : *thorax* subvillous with a few small spines each side and impressed dot. *legs* black.
- Diadema.** Black ; abdomen with 2 yellow dots at the base and an interrupted band in the middle, the tip with a white line.
Inhabits *Surinam* ; large.
Head black with a white band at the base : *thorax* with 2 white lines at the scutellum, the sides white beneath : first segment of the *abdomen* with a white line each side, second very large with a yellow dot each side at the base and streak in the middle, the rest with a white line in the middle. Beneath black with a white lateral line at the base, 3 of the segments edged with white.
- Americana** Black ; abdomen with 4 yellowish spots and 3 white lines.
Inhabits *South America*. *Degeer, Inf.* 3. tab. 30. fig. 10.
- Formicaria** Black : abdomen with a line of whitish dots down the back.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Thorax rough hairy : sides of the *abdomen* whitish.
- Exulans.** Black : abdomen with 2 yellow dots at the base, an interrupted streak in the middle and line behind.
Inhabits *America*.
Abdomen with an obsolete line consisting of a yellow dot on each segment behind.
- Aurata.** Blueish ; abdomen with a large gold spot.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Antennae brown : first segment of the *abdomen* with a large shining gold spot, the others black at the base.

**Europea*. Black ; thorax rufous : segments of the abdomen with white margins.

Inhabits *Europe*. *Donovan's Engl. Inf.* vi. tab. 212.

Abdomen with 2 white bands, the second interrupted.

Ruficornis. Black ; antennæ rufous : tail whitish.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Tip of the *abdomen* with white hairs : *wings* black.

Atrata. Black ; upper-part of the thorax rufous : abdomen blue with 2 white bands.

Inhabits *Africa*.

Maura. Black : abdomen with 4 white spots : thorax rufous.

Inhabits *Europe*. *Grill. Ent. Nap.* 7. tab. 4. fig. 5.

Hungarica. Black : front cinereous : thorax rufous : abdomen with 6 white dots and streak behind.

Inhabits *Saxony* ; size of *M. atrata*.

Coronata. Black ; front cinereous : thorax rufous : abdomen with a silvery white dot and 2 streaks.

Inhabits *Saxony* ; size of *M. Maura*.

Halenfs. Hairy, black : thorax rufous : abdomen with 2 white dots and band behind.

Inhabits *Saxony* ; half the size of *M. europæa*.

Legs black, *shanks* rufous at the base.

Arenaria. Hairy, black : front and back of the thorax white : abdomen with 4 white spots.

Inhabits *Spain*, in sandy plains.

Spots on the *abdomen* placed 1, 2, 1.

2, *Abdomen* with a white spot at the base and band in the middle.

Barbara. Hairy, black ; fore-part of the thorax white : abdomen with 2 white bands.

Inhabits *Barbary*. *Wings* black.

Ephippium. Hairy black : thorax rufous on the back.

Inhabits *Saxony*. *Wings* dusky.

Italica. Hairy, black : second segment of the abdomen rufous.

Inhabits *Italy* ; size of *M. maura*.

- Paedemon-tana.* Hairy, black; fore-paart of the thorax cinereous; abdomen with 2 cinereous bands, the second segment rufous.
Inhabits *Italy*; twice as large as *M. italica*.
- Vericolor.* Abdomen black at each end, and rufous in the middle with a white band in which is a black dot.
Inhabits *America*.
Head antennae and thorax rufous: legs brown.
- Regalis.* Hairy, black; front cinereous; thorax rufous: abdomen with 4 white dots, the middle one elongated.
Inhabits *Hungary*; resembles *M. coronata*.
- Ruficollis.* Hairy, black: thorax rufous.
Inhabits *Italy*; small.
- Ciliata.* Hairy, black: thorax rufous: segments of the abdomen edged with cinereous fringe.
Inhabits *Saxony*; resembles the last.
Mandibles reddish at the base and tip with black: antennae rufous tip with black.
- Erythrocephala.* Hairy, black; head rufous: abdomen with 3 gold bands.
Inhabits—Middle-size.
Antennae rufous tip with black: head rough: legs rufous with blackish joints.
- Glabrata.* Glabrous, black: thorax and abdomen rufous beneath.
Inhabits the *East*. Small.
Mouth and first joint of the antennae rufous: segments of the abdomen whitish at the margins.
- Rufipes.* Hairy, black: antennæ thorax and legs rufous: abdomen with a white dot and 2 approximate bands.
Inhabits *Saxony*; small.
- Melanocephala.* Hairy, rufous: head and tip of the abdomen black.
Inhabits *France*; resembles the last.
Mouth rufous: antennae reddish tip with black: first segment of the abdomen rufous, the rest fringed at the margin with cinereous.
- Nigripes.* Rufous; tail black with approximate white streaks: legs black.
Inhabits the *East*. Antennae black.
- Indica.* Black; abdomen with a pale yellow band and white line.
Inhabits *South America* and *India*, *Mus. Lud. Ukr.* 419.

- Brutia.* Black ; thorax rufous : abdomen with 6 silvery-white spots and band.
Inhabits *Calabria*. *Petagn. Inj. Calab. fig. 38.*
- Littoralis.* Black : thorax rufous ; fore-part of the abdomen with a white 2-lobed spot, the 5 hind-legments edged with white.
Inhabits *Calabria*. *Petagn. Inf. Calab. fig. 37.*
Antennae and *legs* testaceous.
- Spinosa.* Yellowish varied with black : thorax with 4 spines each side ; second segment of the abdomen with 2 testaceous spots.
Inhabits *America*. *At. Stock. 1787. 4. n. 2. 39.*
- Cephalotes.* Head large black, spinous each side : abdomen with a gold spot and 3 white interrupted bands.
Inhabits *Georgia*. *At. Stock. 1787. n. 2. 40.*
- Bifasciata.* Black ; head and thorax red : abdomen with 2 red bands : wings violet-black.
Inhabits *New York*. *At. Stock. 1787. 4. n. 41. 42.*
- 6-punctata* Black : thorax subcylindrical immaculate : abdomen with 3 whitish dots each side.
Inhabits *Africa*. *At. Stock. 1787. 4. n. 43.*
- 6-maculata* Black ; thorax rufous above : abdomen with a row of 3 whitish spots each side.
Inhabits *India*. *At. Stock. 1787. 4. n. 44.*

ORDER. VI. DIPTERA.

Wings 2, under each of which is a clavate poiser with its appropriate scale.

97. *CÆSTRUS*. Mouth with a simpl aperture and not exerted: *feelers* 2, of 2 articulations, orbicular at the tip and seated each side in a depression of the mouth: *antennae* of 3 articulations, the last subglobular end furnished with a bristle on the fore-part; placed in 2 hollows on the front. *Gad-fly. Breeze.*

The face of this singular genus is broad depressed vesicular and glaucous, and has some sort of resemblance to the Ape kind. They are extremely troublesome to Horses Sheep and Cattle, depositing their eggs in different parts of the body and producing painful tumours and sometimes death. The *larvæ* are without feet, short thick soft and annulate, and often furnished with small hooks.

* *Bovis.*

Wings immaculate brown: abdomen with a black band in the middle and orange-yellow hairs at the tip.

Linnean Transact. iii. p. 291. *tab.* 25. *fig.* 1—6.

Reaum. Inf. 4. *tab.* 38. *fig.* 7. 8. *Degeer.* 6. *tab.* 15. *fig.* 22.

Deposits its eggs in the back of Cattle, under the skin; which as they are changed into *larvæ* produce a purulent tumour. By the pain it inflicts, an extreme terror and agitation is occasioned, and the object of the attack runs bellowing wildly about, with its tail erect and in a tremulous motion, and communicates the agitation to the whole herd.

Front white covered with down: *thorax* yellowish before, the middle black with 4 short naked lines, behind cinereous: *abdomen* cinereous at the base: scales of the *poisers* large snowy convex: *legs* black with pale tarsi.

Female with a black Ryle at the end of the abdomen.

Larva brown, of 11 segments, with transverse rough interrupted lines.

* *Equi.*

Wings whitish with a black band in the middle and 2 dots at the tip.

Linn

Linn. Transact. iii. p. 298. *tab.* 23. *fig.* 7—9.

Degeer. Inf. p. 291. *tab.* 15. *fig.* 16.

Deposits its eggs on the hairs of Horses, and always on those parts which are most liable to be licked with the tongue; these either in the egg or larva state, are conveyed by the tongue into the stomach, and passing through the intestines with the food, are discharged with the dung. These larvæ are commonly known by the name of bots.

Front white downy, crown brown: *eyes* black distant: *thorax* brown, dusky in the middle: *abdomen* yellow-brown with spots at the incisures: *scutellum* with 2 hairy tufts. *Female* browner, with a long incurved black appendage at the end of the abdomen. *Larva* round, pale green; the tail obtusely truncate; head tapering, the mouth horny with 2 lips and 2 recurved black claws each side the mouth; segments of the body fringed with 2 rows of rigid spines turned downwards.

2. Wings with a single oblong black spot at the tip: abdomen covered with thick brown-ferruginous hairs.

Cæstrus Vituli. Fabricius. Syst. Ent. ivt p. 231.

**Haemorrhoidalis.* Wings immaculate brownish: abdomen black, the base white and fulvous at the tip.

Linn. Transact. iii. p. 308. *tab.* 23. *fig.* 10—13.

Reaumur. tab. 35. *fig.* 3. *Larva. tab.* 34. *fig.* 14.

Deposits its eggs on the lips of Horses, occasioning a titillation, which causes the animal when attached by it, to move its head about violently, and gallop about with every appearance of distress. The larvæ are conveyed through the intestines like those of the last species.

About half the size *Æ. Equi*: *front* white downy: *thorax* with brown hairs, the space between the wings black: beneath hairy cinereous: *legs* rufous with black thighs; *female* with a black incurved appendage behind: *larva* less, but exactly resembling the last.

**Veterinus.* Wings immaculate: body ferruginous; sides of the thorax and base of the abdomen with white hairs.

Linn. Transact. iii. p. 312. *tab.* 23. *fig.* 18, 19.

Cæstrus nasalalis. Gmelin. Cest. Equi. Fabricius.

Deposits its eggs on Horses and Cattle: the larvæ probably pass through the stomach like the former ones.

Less than *Cest. Equi*. Insertion of the wings and base of the abdomen covered with whitish hairs: second segment of the abdomen with 2 hairy tubercles. Beneath and legs rusty-brown.

Female with sometimes a blackish abdomen.

**Ovi.* Wings pellucid, punctured at the base; abdomen variegated with white and black.

Linn. Transact. iii. p. 313. *tab.* 23. *fig.* 14—17.

Reaum. Inf. *tab.* 35. *fig.* 22. Larva 8, 9.

Deposits it's eggs on the inner margin of the nostrils of Sheep, occasioning them to shake their heads violently and hide their noses in dust or gravel. The larvæ crawl up into the frontal sinuses or horns, and when full fed, are again discharged through the nostrils.

Less than *Cest.* *Equi*. Head with hollow dots on the crown: thorax cinereous with black raised dots and 4 black lines: above the aperture of the mouth is a small conic process. Larva white ovate, pointed before with 2 hooks, truncate behind with a prominent margin and 2 black respiratory scales. Above convex, with black lines and dots; beneath flat, with minute rough black dots in the middle of the segments.

Cuniculi. Black; wings brown: thorax black as far as the middle, behind and base of the abdomen with yellowish hairs.

Inhabits *Georgia*. *Linn. Transf.* iii. p. 299.

Deposits it's eggs in the skins of Hares and Rabbits.

Twice as large as *Cest. Bovis*. Sides of the abdominal segments yellow: body beneath black. Larva brown; every where rough with very minute prickles.

Buccatus. Grey; face white dotted with black.

Inhabits *Carolina*; large.

Abdomen grey dotted with black: wings brownish; scales of the poisers long rounded brown.

Tarandi. Wings immaculate: thorax yellow with a black band: abdomen fulvous tipped with black.

Linn. Act. Holm. 1739. *tab.* 3. *fig.* 5, 6.

Inhabits *Lapland*. Deposits it's eggs on the back of the Reindeer and is often fatal to them.

Trompe. Wings white: body black with cinereous hairs: thorax with a deep black band.

Inhabits *Lapland*, on the Reindeer.

Antilopæ. Wings with a brown band and dots: body hairy tawny-grey: abdomen with 3 rows of blackish spots.

Inhabits *Asia* *Pall. It.* 1. p. 212. and 475.

Deposits it's eggs on the back of the Antelope.

Fasciculatus. Downy, yellow: tail with 3 tufts of blackish hairs.

Inhabits *Siberia*. *Lepech. It.* 1. p. 75.

Hominis. Body entirely brown.

Inhabits *South America*. *Linne ap. Pall. nord Beytr.* p. 157.

Deposits

Deposits its eggs under the skin, on the bellies of the natives; the larva, if it be disturbed, penetrates deeper, and produces an ulcer which frequently becomes fatal.

98. TIPULA. *Mouth* with a very short membranaceous proboscis, the back grooved and receiving a bristle; haustel short, without a sheath: *feelers* 2, incurved filiform and longer than the head: *antennæ* mostly filiform. *Crane-fly.*

Most of this genus have a great resemblance to the gnat: they feed on various substances: the *larvæ* are without feet soft and cylindrical with a truncate toothed head and feed on the roots of plants: *pupa* cylindrical, 2-horned before and toothed behind.

A. *Wings expanded.*

- * *Pectinicornis.* Antennæ pectinate: wings with a black spot: abdomen rufous at the base, barred with yellow in the middle and tipped with black. *Father Long-legs.*
Inhabits Europe. *Degeer. Inf. 6. tab. 25. fig. 3.*
- * *Rivosa.* Wings white hyaline with 3 large brown patches near the thicker margin.
Donovan, ii. tab. 48. fig. 2. Degeer. 6. tab. 19. fig. 1.
Inhabits moist places of Europe. Poisers tipped with yellow.
- Sinuata.* Wings white with a sinuate margin and brown spot: body cinereous: legs ferruginous.
Inhabits Germany, large.
Thorax ferruginous before as far as the wings: *wings* white, the thicker margin widely ferruginous with 2 large white sinuosities and brown spots at the thinner margin; *legs* ferruginous with black joints
- * *4-maculata.* Wings with brown veins margin and 4 spots: abdomen yellowish above.
Inhabits watery meadows of Europe:
- * *Crocata.* Wings with a brown spot: abdomen black with 3 fulvous bands.

Inhabits

Inhabits *Europe*. *Donovan*. ii. *tab.* 48. *fig.* 1.

Schaeff. *Icon. tab.* 126. *fig.* 4. *Geoffr.* 1. *tab.* 19. *fig.* 1.

Antennae black: *head* black with a fulvous front: *thorax* black with fulvous spots: fourth segment of the *abdomen* with a fulvous dot each side: *legs* black, thighs palish at the base.

Flavescens. Wings with a brown spot: *abdomen* black with 6 yellow bands.

Inhabits *Germany*; size of the last.

Antennae fulvous, those of the male pectinate with black: *head* black with a yellow dot on the front: *thorax* gibbous black with a yellow fore-margin and line: *poisiers* yellow: *tail* of the female with a bifid fulvous style: *wings* hyaline with a yellowish rib: *legs* fulvous tipped with brown, hind-thighs with a black band.

* *Hortorum*. Wings hyaline with scattered obsolete white spots.

Inhabits *Europe*. *Albin.* *tab.* 61. *Schaeff.* *Icon. tab.* 15. *fig.* 3, 4.

* *Oleracea*. Wings hyaline with a brown exterior margin.

Reaum. Inf. 4. *tab.* 11. *fig.* 17. *t.* 2. *f.* 11. *t.* 3. *f.* 1, 2, 10.

Brudl. Nat. tab. 25. *fig.* 3. *Degeer.* 6. *tab.* 8. *fig.* 12, 13.

Inhabits *Europe*; destroys the roots of vegetables.

Tricolor. Wings whitish with a brown exterior margin and bifid nerve.

Inhabits *North America*; size of the last.

Thorax cinereous, paler at the base: *abdomen* brown with cinereous lines and 2 small black dots at the base of each segment.

* *Triangularis*. Outer half of the wings brown with a triangular white spot.

Inhabits *Scotland*; size of *T. oleracea*.

Abdomen brown with a cinereous lateral line: thinner half of the *wings* white; *legs* long brown with black joints.

* *Variegata*. Black; base and sides of the *abdomen* red spotted with yellow.

Inhabits *Europe*. *Schaeff.* *Icon. tab.* 15. *fig.* 7.

Scutellum red with a black spot: *legs* red.

* *Contaminata*. Black; wings white with a brown dot and 2 bands.

Inhabits moist meadows of *Europe*.

The hinder band on the *abdomen* is abbreviated.

* *Lunata*. Wings greyish with a white marginal lunule.

Inhabits *Europe*. *Reaum. Inf.* 5. *tab.* 2. *fig.* 11.

- Turcica*. Wings veined, with a white marginal lunule: body cinereous: abdomen with a black dorsal line.
Inhabits *Kiel*; size of the last.
Legs black, thighs testaceous: *wings* with black veins.
- **Pratenfis*. Thorax variegated: abdomen brown, the sides spotted with yellow: front fulvous.
Inhabits *Europe*. *Frisch. Inf. 4. tab. 12.*
- Dorialis*. Yellowish with a brown back: wings hyaline with a black marginal spot.
Inhabits *Germany*; size of the last.
Antennae projecting obtuse ferrate black.
- Hisrio*. Yellow, variegated above with black: wings immaculate.
Inhabits *Denmark*; size of *T. pratenfis*.
Antennae hairy black, the first joint yellow: *head* yellow with a black spot at the base: *thorax* spotted with black: *abdomen* with a brown line down the back behind: *wings* whitish.
- Verticillata*. Brown; head ferruginous: base of the abdomen ferruginous with a black lateral line: joints of the antennæ ferruginous at the base and verticillate with hairs.
Inhabits *Germany*. *Wings* dusky.
Legs black, thighs ferruginous at the base.
- Plumbea*. Grey-brown: wings white with a black rib and nerves.
Inhabits *Italy*. *Body* leaden-brown.
Legs black, thighs testaceous at the base.
- Striata*. Grey-brown: thorax with 3 black lines before: abdomen black: wings grey, striate with nerves.
Inhabits *Italy*; size of *T. plumbea*.
- **Cornicina*. Wings hyaline with a brown marginal dot: abdomen yellow with 3 brown lines.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 19. fig. 23.*
- Aurata*. Wings glaucous with a black marginal spot: body black: first segment of the abdomen and legs rufous.
Inhabits *Europe*. *Degeer Inf. 6. tab. 19. fig. 10.*
Female with a recurved subulate pointed abdomen.
- Nigra*. Wings brown: body black.
Inhabits *Europe*.

- Albimana.* Black; thighs testaceous, hind-tarsi white.
Inhabits *Kiel*.
Head black, mouth testaceous: *abdomen* with a faint ferruginous spot or two at the tip.
- Clavipes.* Brown; tarsi annulate with white, ovate and thickened in the middle.
Inhabits *North America*.
Thorax cinereous behind; wings white: *shanks* with a white ring.
- Paludosa.* Wings hyaline with 2 brown spots: thorax ferruginous with 3 abbreviated black lines.
Inhabits *Italy*: size of T: 2 maculata.
Antennæ pectinate black, the first joint ferruginous: *head* black, mouth ferruginous: *abdomen* ferruginous at the base with a black dorsal line, the tip black: *legs* ferruginous with black joints.
- Læta.* Ferruginous; wings black with 2 abbreviated yellowish bands and dot in the middle.
Inhabits *East India*: size of T. maculata.
Wings yellowish at the base: *thighs* ferruginous tip with black; *shanks* black with a snowy base.
- * *2-maculata.* Wings hyaline with 2 brown spots: abdomen spotted with ferruginous in the middle: antennæ feathered.
Inhabits *Europe*. *Reaum. Inf. 5. tab. 4. fig. 1, 2.*
Abdomen of the male immaculate.
- * *Annulata.* Wings variegated with brown: thighs with a white ring.
Inhabits *Europe*. *Reaum. Inf. 5. tab. 4. fig. 1, 2.*
- * *Ocellaris.* Wings whitish with numerous ocellar blackish spots.
Inhabits *Europe*; in meadows.
- Cinerea.* Wings whitish with 3 brown dots: body cinereous immaculate.
Inhabits *Norway*; less than the last.
Legs cinereous tip with brown.
- Fasciata.* Wings whitish with 4 brown flexuous bands: abdomen yellowish.
Inhabits *Sweden*. Bands of the wings unequal.
- Melanocephala.* Testaceous with a black head and line down the thorax: wings hyaline with 3 brown streaks.
3 E 2
Inhabits

Inhabits *Cayenne* ; small.

Abdomen with a black dorsal line at the base : *legs* testaceous with black joints.

6-punctata. Wings white with 3 brown marginal dots : thorax compressed fulvous with a black dorsal line.

Inhabits *Italy*. *Abdomen* brown with a rufous tail.

Flavipes Brown ; wings dusky with cinereous spots and 3 brown ones at the rib : legs yellowish with brown joints.

Inhabits *Kiel*.

Poijers yellow with a brown ring before the tip : *abdomen* brown, the edges of the segments yellow.

3-punctata Wings hyaline with 3 brown marginal dots : body yellow.

Inhabits *Italy* ; resembles *T. flavescens*.

Flavescens. Wings immaculate : body yellow.

Inhabits meadows of *Europe*.

Regelationis Wings hyaline shining : body grey-brown.

Inhabits *Europe* : appears early in the spring.

Pilipes. Cinereous : wings striate brownish : fore-shanks hairy.

Inhabits *Kiel*.

Thorax substriate : *abdomen* flat cinereous, tail brown : wings with a brown dot behind : legs yellowish.

Morio. Wings white with a brown marginal spot ; body black with pale legs.

Inhabits *Kiel* : small.

**Replicata* Wings hyaline, the thinner margin recurved : body brown : antennæ simple

Inhabits *Europe*. *Degeer. Inj. 6. tab. 20. fig. 16*;

Meleoptera. Black with pale legs and feelers.

Inhabits *Europe* ; less than a gnat.

Costalis. Dirty yellow : antennæ twice as long as the body ; wings hyaline with a reddish brown rib.

Inhabits *Van Diemen's Land*. *Act. Stock. 1787. 4. n. 2. 45*.

Ensisformis. Antennæ lanceolate and slightly serrate : wings with a black spot and veins.

Inhabits

Inhabits *Switzerland*; rather larger than a common gnat.

Body livid: *thorax* with a black divaricate line on the fore-part: *abdomen* with a black spot at the side of each segment.

Barbicornis Black; antennæ feathered, the tip nearly simple.

Inhabits *Europe*; small.

Gigantea. Wings brown with longitudinal hyaline waves in the middle.

Inhabits *Austria*. *Schranck. Inf. Aust. p. 418. n. 845.*

Venosa. Wings hyaline with brown veins and margin.

Inhabits *Austria*. *Schranck. Aust. p. 419, n. 847.*

Plicata. Cinereous; wings hyaline with brown veins the outer margin and line in the middle with small plaits between them.

Inhabits *Austria*. *Schranck. Aust. p. 420. n. 850.*

Punctata. Wings hyaline dotted with black, the outer margin with black spots.

Inhabits *Austria*. *Schranck. Aust. p. 425, n. 858.*

Pbragmitidis. Yellow; head black: wings hyaline with 3 black dots.

Inhabits *Austria*. *Schranck. Aust. p. 426. n. 860.*

Thorax with a black line: *legs* tipped with brown.

Lineata. Yellow: *thorax* with 3, *abdomen* with 4 punctured lines.

Inhabits *Austria*. *Schranck. Aust. p. 426. n. 861.*

Oreata. Black; wings hyaline spotted and dotted with black, a white band before the hind-tarsi.

Inhabits *Austria*. *Schranck. Aust. p. 427, n. 862,*

Thighs feelers and *poisfers* ferruginous: *flanks* brown.

Bifasciata. Yellow: wings hyaline with 2 indistinct brown bands.

Inhabits *Austria*. *Schranck. Aust. p. 428. n. 865.*

Depressa. *Thorax* cinereous: *abdomen* pale yellow, depressed: wings yellow-brown with 4 marginal brown spots.

Inhabits *Europe*. *Mus. Lesh. p. 126. n. 7.*

Difcolor. Cinereous: *abdomen* yellowish each side: wings with a brown and a white spot.

Inhabits *Europe*. *Mus. Lesh. p. 126. n. 12.*

- Pectinata*. Black; antennæ semipectinate: wings glaucous with a brown marginal dot and tip: thighs and shanks rufous tipped with black.
Inhabits Europe. *Mus. Lesk. p. 126. n. 13.*
- Versicolor*. Yellow: thorax yellow spotted with black: abdomen cinereous on the back beneath and at the sides: wings with a brown spot and veins.
Inhabits Europe. *Mus. Lesk. p. 126. n. 14.*
- Maculosa*. Black: snout legs and tip of the abdomen pale yellow: wings with scattered brown spots.
Inhabits Europe. *Mus. Lesk. p. 126. n. 15.*
- Lutea*. Pale yellow, wings paler yellow.
Inhabits Europe. *Mus. Lesk. p. 126. n. 16.*
- Fuscipes*. Black: abdomen with 2 yellow bands: wings white spotted with black: legs yellow with brown joints.
Inhabits Europe. *Mus. Lesk. p. 126. n. 17.*
- Quadri-fasciata*. Grey-yellow, wings grey with 4 yellowish bands and punctured outer margin: legs yellow with brown joints.
Inhabits Europe. *Mus. Lesk. p. 126. n. 18.*
- 8-punctata*. Wings white with 8 black dots: abdomen black: thorax and legs pale:
Inhabits Switzerland. *Thunb. Act. Ups. 4. p. 26. n. 43.*
- Pariscensis*. Green; wings hyaline with a brown band: abdomen with 2 black bands and tail.
Inhabits Switzerland. *Thunb. Act. Ups. 4. p. 26. n. 44.*
Feelers black: antennæ white: thorax with a black heart-shaped spot: fore-legs vibratory.
- Scalis*. Cinereous: wings ciliate: antennæ black annulate with white: tip of abdomen black: legs tipped with black,
Inhabits Germany. *Act. Stock. 1779. 2. n. 7.*
Larva grey with 2 black lines on the back.

B. *Wings incumbent.*

- Plumosa*. Thorax greenish: wings blueish-white with a brown dot: antennæ feathered.
Donovan. i. tab. 22, Degeer. Inf. 6. tab. 19. fig. 14. 15.

Reaum. Inf. 5. tab. 5. fig. 10. 4. tab. 14. fig. 12.

Inhabits Marshes of *Europe*, early in the spring.

Fore legs very long : *abdomen* annulate with grey and black.

• *Motitatrix.* Fore-legs very large and vibratory, with a white ring.
Inhabits *Europe*. *Frisch. Inf. 2. 7. tab. 13.*

Pilicornis. Fore-legs very large and vibratory : body blackish ; thorax with black lines ; wings white immaculate.
Inhabits *Germany* ; small.
Antennae large, with tufted hairs : *legs* black.

Fasciculata Fore-legs very large and vibratory : body black : sides of the abdomen with ferruginous spots.
Inhabits *Germany* ; small.
Antennae brown with tufted hairs : *fore-legs* ferruginous at the base : *wings* white with a small brown dot.

Tendens. Ferruginous : wings white immaculate : fore-legs very long and pale.
Inhabits Marshes of *Denmark* ; size of *T. littoralis*.

Tremula. Fore-legs very long and vibratory, black with white rings.
Inhabits *Sweden*.

• *Flexilis.* Fore-legs very long and vibratory, all of them pale : wings with a brownish band.
Inhabits *Europe* : less than a common gnat.

Vibratoria. Fore-legs very long, vibratory and tipped with white.
Inhabits Marshes of *Europe*.

Histris. Fore-legs vibratory : abdomen black with a white ring : wings white with a black dot in the middle.
Inhabits *Saxony* ; small.
Head black ; thorax with white lines : *abdomen* with 8 white rings : *legs* varied with white and black.

Varia. Fore-legs long : body brown : abdomen yellowish : wings varied with white and black.
Inhabits *Kiel*. *Legs* yellowish.

Rufipes. Black ; legs rufous : wings black in the middle and yellowish at the base.
Inhabits *Germany* ; size of *T. plumosa*.

- Gibba*. Green; thorax gibbous and lengthened behind: wings white with a brown band.
Inhabits Saxony: small.
Antennæ with verticillate hairs: *abdomen* green, the segments paler at the edges with a black streak or two at the tail: *legs* pale, base of the thighs and tip of the shanks blackish.
- Stricta*. Black; segments of the abdomen tipped with white: wings white with a brown central dot.
Inhabits Germany; resembles *T. cincta*.
Legs variegated with white and black.
- Pallida*. Hairy, pale: legs dotted with black.
Inhabits Germany. *Antennæ* falciculate pale.
- Barbicornis* Black; wings white: antennæ feathered, the tip simple.
Inhabits Europe: small.
Abdomen depressed, the sides a little spotted with white: *wings* white: *legs* black, thighs testaceous at the base.
- Plumicornis* Brown; thorax with a whitish lateral line: legs whitish immaculate.
Inhabits Germany: resembles *T. pallida*.
Antennæ plumous: *wings* ciliate whitish.
- Flabellicornis*. Pale: abdomen annulate with black: wings spotted.
Inhabits Germany. *Legs* immaculate.
- Cincta*. Livid; wings with 3 black marginal spots: abdomen black annulate with white.
Inhabits Sweden.
- **Arundineti* White with black eyes: antennæ villous.
Inhabits reedy marshes of Europe. *Wings* white.
- **Littoralis* Greenish; wings immaculate: fore-legs very long.
Inhabits Europe. *Reaum. Inf.* 5. tab. 6. fig. 12—14.
- **Zonata*. Pale; wings with 2 brown bands and 3 dots: thighs with a brown ring.
Inhabits meadows round Oxford. Size of a gnat.
Antennæ short hairy: *abdomen* with 3 streaks of brown dots on the back: *legs* long.
- **Monilis*. Legs white with 9 black rings: wings varied with white and cinereous.
Inhabits Europe, in meadows and gardens.

- *Macrocephala*. Greenish; eyes and back of the thorax black.
Inhabits *Europe*, in bogs and marshes: very small.
- *Viridula*. Green; antennæ verticillate with hairs: legs pale.
Inhabits Marshes of *Europe*.
Thorax a little ferruginous before; joints of the legs black.
- *Cantans*. Brown; base of the abdomen and legs greenish: wings immaculate: antennæ fasciculate.
Inhabits *Kiel*; small.
Antennæ pale: joints of the legs black.
- *Geniculata*. Yellowish; thorax with 3 black lines: back of the abdomen black; wings white immaculate.
Inhabits *Kiel*; small.
Legs pale with black joints.
- *Pallipes*. Glabrous, brown; wings hyaline immaculate; legs palish,
Inhabits *Kiel*; small.
- *Pufilla*. Green; back of the thorax with 3 black spots: antennæ of the male pectinate.
Inhabits *Europe*. Breast gibbous between the legs.
- *Brevicornis*. Black, glabrous: wings with a blackish margin; abdomen brown: fore-shanks spinous.
Inhabits *Europe*: rests with its wings expanded
2. Fore and hind-shanks ferruginous.
- *Hortulana*. Wings white with a black outer-margin: thorax and abdomen red.
Inhabits *Europe*. *Reaum. Inf.* 5. tab. 7. fig. 7—10.
- *Marci*. Black: glabrous: wings blackish: fore-thighs grooved within
Inhabits *Europe*. *Schaeff. Icon.* tab. 15. fig. 1. 2.
- *Tritici*. Dull rufous: wings hyaline with a fringed margin: eyes black.
Inhabits *Europe*; very minute. *Linn. Trans.* iv. p. 230.
Antennæ moniliform, longer than the thorax: legs very long.
Larva citron, with folded papillæ at the margin: a sharp head and truncate tail; skips and is found in great numbers in the ears of wheat, to which it is very injurious. It is destroyed by the Ichneumon Tipulæ: pupa narrow reddish and pointed at each end.

- Iohannis.* Black; glabrous wings white with a black dot; antennæ short; legs black.
Inhabits *Europe.* *Degeer. Inf. 6. tab. 27. fig. 12. 13.*
Hind-legs of the male clavate.
- **Pemona.* Shining black: wings white with a black dot: thighs ferruginous.
Inhabits *England.* *Donovan's Eng. Inf. ix. tab. 300.*
Twice the size of the last: legs black.
- Pyri.* Shining black: wings hyaline with a black marginal dot: legs testaceous.
Inhabits *Germany*; half the size of the last.
- Ruficollis.* Shining black with a rufous thorax.
Inhabits *Africa.* In the museum of Sir *Jos. Banks.*
Wings brown with a darker thicker margin.
- Chrysanthemi.* Shining black: abdomen rufous at the base: antennæ thick and hairy:
Inhabits *Spain*, on the *Chrysanthemum coronarium.*
2. Abdomen entirely black.
First joint of the antennæ larger thick and hairy, the second shorter and subulate.
- Thomas.* Black, glabrous with a saffron line on the sides of the abdomen: wings blackish.
Inhabits *Upsal.* *Schaeff. Icon. tab. 209. fig. 6. 7.*
- **Febrilis.* Oblong, hairy black: wings with a blackish rib.
Inhabits *Europe.* *Goedant. Inf. 1. tab. 6.*
- Brunnipes.* Hairv, black: legs ferruginous, the hind-ones long.
Inhabits *America.* Museum of Sir *Jos. Banks.*
Abdomen flat on the back: *hind-thighs* clavate.
- **Forcipata.* Abdomen cylindrical black: wings brown hyaline: tail appendaged.
Inhabits *England*; small.
Antennæ subulate, of many joints: *body* shining black: *tail* with 2 clavate appendages.
- Albipennis.* Shining black with white wings.
Inhabits *Germany*; very small. *Antennæ* short.

- Juniperin*. Cinereous ; wings white with a villous margin.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 25. fig. 7—13.*
- **Hiria*. Hairy ; wings deflected ovate ciliate and tessellate with white and black.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 27. fig. 10, 11.*
- **Phalano-ides*. Wings deflected cinereous ovate lanceolate and fringed.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 27. fig. 6.*
- **Perficaria*. Black ; wings incumbent subciliate.
Inhabits in the curled leaves of the *Perficaria*.
- Culiciformis*. Cinereous ; legs pale : wings with 2 blackish spots.
Inhabits *Upsal* ; legs ferruginous.
- **Palustris*. Pale ; head black : abdomen reddish.
Inhabits *Marthes of Europe*. Legs pale.
- Sylvestris*. Pale ; thorax with 2 black lines : abdomen rufous with lateral black dots.
Inhabits *Kiel* ; small.
Legs long white, the joints and hind-tarsi black.
- **Longicornis*. Body flesh-colour : antennæ very long.
Inhabits moist Meadows of *Europe*.
- Sericea*. Black with a deeper back ; sides of the thorax bald : poisers yellow.
Inhabits *Sweden* : moves about in swarms with a rapid and flexuous flight.
- **Pulicaria*. Black : sides of the thorax scutell and abdomen yellow.
Inhabits *Europe* ; very minute.
- Pennicornis*. Antennæ of the male bipedinate, of the female moniliform : poisers white.
Inhabits the flowers of the *Aristolochia Clematis*.
- Virens*. Green ; wings immaculate : ends of the legs brown.
Inhabits *Sweden* ; resembles *T. plumosa* but is less.
- Putris*. Brown : base of the wings cinereous.
Inhabits *Europe*, in sunny places.
- Notata*. Black ; wings white : abdomen with a white spot on the fore-part.
Inhabits *Europe*. *Fn. Succ. 1773.*

Incarnata. Flesh-colour : antennæ as long as the body.

Inhabits *Upfal*.

Antennæ with 12 articulations.

Bipunctata Brown ; wings cinereous with a white marginal dot.

Inhabits *Europe* : very minute.

Thorax smooth black : *abdomen* ovate : *poisers* white.

Minutissima. Yellow with black approximate eyes.

Inhabits *Sweden* and *Austria* ; about ditches.

Wings and *legs* hyaline : *antennæ* brownish.

Scabripes. Black ; antennæ moniliform : wings hyaline.

Inhabits *Austria*. *Schranck. Inf. Aust. p. 433. n. 881.*

Buxi. Yellow with black head and thorax : wings brown

Inhabits *Europe*. *Schranck. Aust. p. 433. n. 882.*

Berberina. Wings footy with a white base and marginal spot.

Inhabits *Austria*. *Schranck. Aust. p. 435. n. 885.*

Forms small stumous excrescences on the branches of the *Berry*. *Thorax* and *abdomen* red : *pupa* red with setaceous antennæ.

Lutescent. Yellowish with 3 black spots on the back : antennæ feathered.

Inhabits *Europe*. *Mus. Lesk. p. 127. n. 21.*

Trifasciata Ferruginous ; wings with 3 brown bands.

Inhabits *Europe*. *Mus. Lesk. p. 127. n. 22.*

Albicolor Body yellowish : abdomen, greenish : wings with a brown band.

Inhabits *Europe*. *Mus. Lesk. p. 127. n. 23.*

Alba. Grey with white wings and abdomen, the latter tipped with brown

Inhabits *Europe*. *Mus. Lesk. p. 127. n. 24.*

Carbonaria Black : legs ferruginous : wings hyaline.

Inhabits *Europe*. *Mus. Lesk. p. 127. n. 26.*

Plumicornis Brown with yellow legs : antennæ brownish feathered.

Inhabits *Europe*. *Mus. Lesk. p. 127. n. 27.*

Dichroa. Black with ferruginous legs.

Inhabits *Europe*. *Mus. Lesk. p. 127. n. 32.*

Leucoptera. Brown : tip of the abdomen and legs yellow : wings white.
Inhabits *Europe*. *Mus. Lesh. p. 127. n. 35.*

Moschifera Wings cinereous : thorax and abdomen yellow.

Inhabits *Chili*. *Molin. Hist. Chili. p. 188.*

This insect has a very pleasant musky smell, and is used by the female natives to perfume their garments.

99. DIOPSIS. *Head* with 2 inarticulate filiform horns much longer than the head, at the tip of which are placed the eyes.

Ichneumonea Diopfis.

Inhabits *South America* and *Guinea*; resembles an *Ichneumon*.

Fuess. Arch. Inf. 1. cum. tab. Dabi. Dis. Inf. Ups. 1775. 4.

Body reddish : *antennae* very small setaceous and with the horns ferruginous : *eyes* globular flexuous black : *thorax* black with 2 subulate yellow teeth behind and a single one at the sides : *wings* hyaline with a black dot on the fore-part near the tip : *abdomen* clavate slightly pedicellate, the 2 last segments black : *legs* yellow, fore-thighs clavate:

100. MUSCA. *Mouth* with a soft exerted fleshy proboscis and 2 equal lips : *sucker* furnished with bristles : *feelers* 2, very short, or 0 : *antennae* generally short.
Fly.

A. *With 2 short feelers.*

a. *Sucker with a single bristle without sheath ; antennae short clavate, furnished with a lateral hair.*

†. *Hair of the antennae feathered.*

T-juna. Cinereous : abdomen pellucid with 3 black belts : legs pale.

Inhabits *Tranquebar*.

Thorax and *scutellum* dusky with a paler margin : *antennae* subferruginous : *legs* pale with black tarsi.

**Meridiana* Hairy, black : front golden : wings ferruginous at the base.

Inhabits

Inhabits *Europe*. *Harris's Eng. Inf. tab. 9. fig. 9.*

2. Abdomen with a faint rufous spot at the base each side.

**Carnaria*. Hairy, black; thorax with paler lines: abdomen shining tessellate.

Reaum. Inf. 4. tab. 29. fig. 4—6. Degeer. 6. tab. 3. fig. 5.

Inhabits *Europe*, in putrid carcases and meat.

Carnivora. Dusky; abdomen blue subtessellate, the segments edged with black.

Inhabits *Germany*, in putrid meat.

Head black, mouth ferruginous; thorax and scutal hairy blackish without lines: legs black.

Lardaria. Black; thorax and abdomen tessellate.

Inhabits *Germany*; less than *M. carnaria*.

Abdomen subglobular obtuse: legs black.

Ruficornis. Hairy, cinereous: thorax with black lines: abdomen tessellate: antennæ rufous.

Inhabits *East India*.

Head cinereous with a black line on the crown: thorax with 3 black lines, the middle one reaching down the scutal.

Rutilans. Thorax cinereous with black lines; abdomen tessellate, the tail rufous.

Inhabits *South America*; larger than *M. domestica*.

Mouth whitish: antennæ black: thorax and abdomen hairy.

**Maculata*. Cinereous; thorax and abdomen with numerous black spots.

Inhabits *Europe*; larger than *M. domestica*.

Head cinereous with a black proboscis: antennæ black: abdomen with 2 black lines in the middle beneath: wings whitish immaculate: legs black.

Rudis. Hairy; thorax grey: abdomen tessellate.

Inhabits *Germany*; larger than *M. domestica*.

Mouth cinereous: antennæ black: scale of the poisers whitish: legs black.

Obscura. Hairy dull black: wings and scale of the poisers cinereous.

Inhabits *Germany*; larger than *M. domestica*.

**Domestica*. Hairy, black: thorax with 5 pale lines: abdomen tessellate, beneath pale at the base.

Inhabits

Degeer. Inf. 6. tab. 4, fig. 5, 6. Aldrov. Inf. tab. 2. fig. 23.
Inhabits *Europe*, on Horse-dung.

- Occidua.** Thorax with black lines: abdomen banded.
Inhabits *South America*; smaller than the last.
- Striata.** Cinereous; thorax with black lines: abdomen tessellate.
Inhabits *Germany*; size of *M. domestica*.
Head cinereous with a black line in the middle: wings white:
tail a little roundish: legs black.
- Americana.** Black; sides of the thorax grey dotted with black.
Inhabits *American Islands*; resembles an *Æstrus*.
Head smooth black: thorax glabrous with an impressed line in
the middle, the sides downy with 3 black dots: scutell large
rounded substriate black: wings black, scale of the poisers
prominent and vaulted.
- Retusa.** Hairy, grey bronzed: abdomen with a gold gloss: tail
retuse.
Inhabits *New Holland*. Museum of Sir *Jos. Banks*.
Head whitish with a black frontal line: thorax hairy: segments
of the abdomen shining gold, the edges black: wings white
with a brown spot at the base.
- Putrida.** Shining bronze: abdomen globular: legs black.
Inhabits *American Islands*; size of *M. Cæsar*.
Wings white: abdomen nearly globular.
- * Cæsar.** Hairy, shining green with black legs.
Merian Europ. 1. tab. 49. Mouff. Inf. tab. 49.
Reaum. Inf. 4. tab. 8. fig. 1. Goed. Inj. 1. tab. 54.
Inhabits *Europe*, in putrid meat and carcases.
2. About a third part as large.
- Megacephala.** Shining bronze: segments of the abdomen edged with black.
Inhabits *Guinea*; size of *M. Cæsar*.
Head cinereous with a brown front: wings whitish: legs black.
- Felina.** Shining bronze: abdomen testaceous with a bronzed tail.
Inhabits *New Spain*.
Mouth cinereous downy: eyes chestnut dotted with black: thorax
hairy: abdomen diaphanous: legs black bronzed with testaceous
shanks.
- Cornicina.** Thorax polished coppery: abdomen green bronze: legs
black.

Inhabits *Italy*; resembles *M. Cæsar*.
Sides of the *lip* with a silvery gloss.

**Cadaverina*. Body polished: thorax blue: abdomen green.
Inhabits *Europe*. *Goed. Inf.* 1. tab. 54.

Stygia. Hairy; thorax blueish: abdomen obscure bronze: legs ferruginous.
Inhabits *America*; less than *M. mortuorum*.
Head brown, mouth subferruginous.

**Mortuorum*. Thorax black; abdomen green bronze: legs black.
Inhabits *Europe*. in carcases; large.
Thorax with a few faint lines: legs black.

Leonina. Thorax brassy dotted with white: abdomen blue with a white dot on the second segment and 2 on the last.
Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.
Mouth vesicular ferruginous: eyes black: thorax with 3 white dots each side and 2 lines at the tip: breast with 3 white dots each side: legs black.

**Vomitaria* Thorax black; abdomen shining blue: front fulvous.
Inhabits *Europe*. *Reaum. Inf.* 4. tab. 24. fig. 13—15.
Merian Europ. tab. 49. *Goed. Inf.* 1. tab. 53.

Vespillo. Hairy, blackish: abdomen black bronze: legs black,
Inhabits *Kiel*; half the size of the last.

Cyanea. Thorax and abdomen bright blue: legs black.
Inhabits *Africa*. In the museum of Sir *Jos. Banks*.
Scale of the *poisers* milk-white: fore-thighs blue,

Macellaria Thorax coppery with black lines: abdomen bronzed: legs black.
Inhabits *American Islands*; size of *M. Cæsar*.
Thorax with 3 black lines: wings white.

Vulpina. Thorax black with 4 grey lines: abdomen subferruginous spotted with black.
Inhabits *Europe*. *Degeer. Inf.* 6. tab. 3. fig. 22.
Front black: orbits silvery: scutellum black with a ferruginous margin: tail cinereous with 2 black dots: wings brownish: legs black.

Nigripes.

- Nigripes.* Hairy black; sides of the abdomen testaceous tessellate with white.
Inhabits Germany; larger than *M. corvina*.
Head black, mouth silvery: antennae black: wings whitish, scale of the poisers clear white.
- Corvina.* Black; abdomen testaceous with a black dorsal line.
Inhabits Germany; size of *M. vulpina*.
Head black: orbits silvery before and testaceous behind: abdomen testaceous varied with white and divided by a black line, beneath testaceous with a black tail.
- Testacea.* Cinereous; scutellum abdomen and legs testaceous.
Inhabits Germany. Wings white: antennae black.
- Pallida.* Pale testaceous, with black tail and ends of the legs.
Inhabits Germany; size of *M. testacea*.
Body covered with black hairs: last segment of the abdomen brown: legs pale tipped with black.
- Difcolor.* Thorax dull brassy: abdomen pale, the edges of the segments and tail bronzed.
Inhabits East India.
Head glossy black, mouth beneath yellow, eyes chestnut: thorax green-bronze with short black hair, beneath golden downy: wings whitish, the tip brownish: legs black.
- Nebulo.* Cinereous; thorax with black lines: abdomen testaceous with a black line down the back.
Inhabits East India, less than *M. testacea*.
Head cinereous with a black frontal line: wings white immaculate: abdomen slightly tessellate with white: legs black.
- Mactans.* Testaceous: wings with 2 black dots, the posterior one transverse.
Inhabits Cayenne. Body hairy.
- Augur.* Cinereous: abdomen blueish, the sides testaceous pellucid.
Inhabits New Holland. In the museum of Sir J. Banks.
Head ferruginous, crown brown: tail changeable grey and brown: wings hyaline: legs ferruginous, the ends black.
- * *Canina.* Grey; thorax with 4 black dots: segments of the abdomen edged with black.
Inhabits England and Germany.
Thorax very hairy: legs testaceous.

- Strigosa.* Hairy, cinereous: thorax with 5 black lines, the middle ones punctured: abdomen with black streaks and line down the middle.
Inhabits *Kiel*; less than *M. canina*.
Mouth snowy: antennae black: wings white.
- Plebeja.* Black with rufous legs.
Inhabit. *Germany*.
Heads black with a changeable grey gloss: thorax hairy with a cinereous line in the middle at the base: scutellum testaceous: ends of the legs black.
- Rufica.* Grey with rufous thighs.
Inhabits *Germany*; large.
- * *Tigrina.* Hairy, cinereous: tips of the thighs and shanks ferruginous.
Inhabits *England*; size of *M. domestica*.
Wings white: tail terminated by a style.
- Meditabunda.* Hairy, dusky: abdomen cinereous with 4 brown dots.
Inhabits *Italy*. Mouth whitish: shanks reddish.
- Elata.* Pale testaceous: wings with a brown rib and 2 dots.
Inhabits *Europe*.
Mouth vesicular white: antennae rufous with a black feathered bristle: wings whitish with 2 spots, the hinder one transverse; the rib black.
- Lupulina.* Blackish with testaceous abdomen and hind-legs.
Inhabits *Zealand*; small.
Antennae testaceous: thorax black with a grey gloss: wings pale testaceous.
- Ludifica.* Black; thorax with faint white lines: abdomen ovate testaceous, the first segment and line down the middle black.
Inhabits *Kie'*; size of *M. domestica*.
Head black, mouth silvery: wings whitish.
- Longipennis.* Black; wings yellowish and longer than the body.
Inhabits *Germany*; size of *M. chorea*.
- Funebris.* Rusty-brown: abdomen black, the edges of the segments pale.

Inhabits *Germany*; very small.

Head dusky; *orbits* silvery: *wings* large hyaline: *legs* testaceous.

Subtomentosa. Downy; thorax slightly bronzed: abdomen black with 3 bands something interrupted and tipped with yellow.

Inhabits *Europe*. *Mus. Lesh.* p. 130. n. 90.

Claviventris. Brown; abdomen clavate: *thanks* yellow.

Inhabits *Europe*. *Mus. Lesh.* p. 130. n. 95.

Lutea. Yellow; thorax brown with an oblong yellow spot each side beneath.

Inhabits *Europe*. *Mus. Lesh.* p. 130. n. 96.

Fuscipes. Thorax brown; abdomen yellowish grey: *legs* yellow, the ends brown.

Inhabits *Europe*. *Mus. Lesh.* p. 130. n. 97.

Alterabilis. Black; abdomen changeable grey.

Inhabits *Europe*. *Mus. Lesh.* p. 130. n. 98.

Varia. Black; abdomen varied with yellow grey and black.

Inhabits *Europe*. *Mus. Lesh.* p. 130. n. 99.

Melanura. Cinereous with a black tail: 4 hind-legs at the tip and *thanks* ferruginous.

Inhabits *Germany*. *Mus. Lesh.* p. 134. n. 100.

Strigosa. Testaceous; crown with a ferruginous dot each side: wings with numerous transverse testaceous streaks.

Inhabits *Europe*. *Mus. Lesh.* p. 134. n. 105.

Argentata. Cinereous; thorax with 4 black lines: abdomen changeable grey: front silvery each side.

Inhabits *Europe*. *Mus. Lesh.* p. 134. n. 104.

Albifrons. Black with a white front.

Inhabits *Europe*. *Reaum. Inf.* 4. tab. 26. fig. 5.

Furta. Black; wings deflected brown with a white lateral margin.

Inhabits *Upsal*, under the leaves of herbs: very small, *Antennæ* testaceous, concealed within the head: *legs* white.

Tuguriolum. Cinereous; *antennæ* feelers scutellum and legs ferruginous.

Inhabits *Austria*. *Schranck. Inf. Aust.* p. 497. n. 929.

- Tau.* Black ; abdomen pale ferruginous with a black base and line down the middle.
Inhabits *Austria*. *Schranck. Aufl. p. 458. n. 931.*
- Deceptoria.* Cinereous with rufous legs : abdomen grey-ferruginous with a black dorsal line.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 358. n. 932.*
- **Melanopyga.* Downy, black : abdomen with a rufous tip.
Inhabits *England and Germany*. *Schaeff. Icon tab. 10. fig. 6.*
Front pale : *eyes* black : *scutell* olive : *wings* with fulvous nerves at the base and a large brown spot in the middle.
- Olea.* Brown ; thorax downy blue with 3 protuberances : tip of the scutell and thighs yellow.
Penchienati Act. Turin. 1786. p. 595.
Inhabits the South of *France* and *Italy*.
The female deposits her eggs in the Olive, the fruit of which the larvæ devour.
- 4-maculata* Thorax black : breast with 2 fulvous spots each side : abdomen purplish-violet.
Inhabits *New Zealand*. *Act. Stockb. 1787. 4. n. 2. 49.*
- Eimaculata* Blue ; breast with a whitish spot each side : abdomen green with a blue base.
Inhabits *New Holland*. *Act. Stockb. 1787. 4. n. 2. 51.*
- ††. *Hair of the antennæ naked.*
- **Fera.* Black ; sides of the abdomen testaceous diaphanous.
Inhabits *Europe*. *Harris Engl. Inf. tab. 9. fig. 2.*
Front and *mouth* buff-colour : *thorax* glossy-black, hairy : *abdomen* orange-brown with a broad unequal black stripe down the middle, the tail hairy : *wings* hyaline, the rib at the base gold-yellow : *leg.* black, the ends yellow.
- 4-pustulata.* Hairy, black : abdomen with 2 rufous spots each side : legs black.
Inhabits *Germany* : size of *M. lurida*.
Mouth whitish : *scutell* ferruginous : *wings* whitish with a small black dot in the middle : *legs* black.
- Tessella.* Black : thorax ferruginous : sides of the abdomen testaceous diaphanous and tessellate with white.
Inhabits *Germany* : resembles *M. fera*.

Antennae ferruginous with a black club: *head* whitish, mouth testaceous: *thorax* hairy black with a ferruginous scutel: *abdomen* testaceous with a black dorsal stripe, the tail rufous: *scale* of the *poisers* white: *wings* whitish, pale orange at the base: *legs* black, the ends rufous.

Lurida. Hairy; thorax brown: abdomen black, the sides at the base and legs testaceous.

Inhabits *Germany*; resembles *M. fera*.

Antennae ferruginous with a black club: *mouth* whitish: *thorax* hairy brown with a yellowish scutel: *abdomen* black, the base pellucid testaceous at the sides which are joined by 2 black streaks.

Bifasciata. Rufous: abdomen with 2 gold bands.

Inhabits *American Islands*; large.

Antennae black: *mouth* white: *thorax* and *abdomen* hairy: *legs* black with ferruginous claws.

**Grossa.* Hairy, black; wings ferruginous at the base.

Harris. Eng. Inf. tab. 9. fig. 1. Degeer. 6. tab. 1. fig. 1.

Inhabits *Europe*, on horse dung.

Front and *mouth* pale yellow: *tail* with thick black bristles: ends of the *legs* pale orange.

Histrix. Very hairy and black with a whitish mouth.

Inhabits *America*. *Drury. Inf. 1. tab. 45. fig. 7.*

Body covered with long thick stiff hairs.

Tremula. Hairy, glossy-black: base of the wings and scale of the *poisers* ferruginous.

Inhabits *Europe*; less and more oblong than *M. fera*.

**Rotundata* Thorax black with large ferruginous spots: abdomen ferruginous with a black line, which in one sex is composed of dots.

Inhabits *Europe*. *Harris's Engl. Inf. tab. 9. fig. 5. 6.*

Abdomen in one sex ferruginous with a black stripe down the middle, in the other pale with 4 black dots: *wings* hyaline with a pale gold base.

Puparum. Hairy blackish; thorax with faint white lines: abdomen with 3 white bands.

Inhabits *Kiel*; larger than *M. radicum*.

Antennae ferruginous with a black club: *head* white with black bristles: *wings* whitish with a black dot in the middle.

**Larva.*

- *Larva-rum.* Blackish; scutellum testaceous at the tip: abdomen tessellate, whitish.
Degeer. Inf. 1. tab. 11. fig. 23. tab. 1. fig. 7.
 Deposits its eggs in the larvæ of *Moths* and *Butter flies*: the larva devours the garden cabbage, making the root stumous, and the head lax.
- Larvata.* Black: abdomen sprinkled with white and shining vesicles.
 Inhabits *Ural*. *Lepech. It. 1. tab. 20. fig. 2.*
- *Radicum.* Blackish: abdomen full black with 2 cinereous bands.
 Inhabits *Europe*, in gardens.
- Pagana.* Hairy, cinereous: thorax with brown lines: scutellum and legs testaceous.
 Inhabits *Denmark*.
 Mouth whitish: crown grey: antennæ black: wings white, the base a little testaceous: legs tipped with black.
- Varia.* Grey; abdomen rufous varied with white and black.
 Inhabits *East India*: size of *M. radicum*.
 Mouth white: antennæ incumbent, rufous tipped with black: tail with long black bristles: wings dusky: legs black.
- *Brassicarum.* Thorax greenish: abdomen cylindrical black, the second and third segments rufous.
Donovan. v. tab. 151. fig. 1. Deger. Inf. 6. tab. 1. fig. 12.
 Inhabits *Europe*, at the roots of Cabbages.
 Head rufous: wings brownish hyaline.
- *Semiar-gentea.* Thorax silvery-green: abdomen silvery-grey with a yellow band at the base.
 Inhabits *England*. *Donovan's Eng. Inf. iv; tab. 142. fig. 2. 3.*
 Antennæ and head brown: wings hyaline: legs pale.
- Compressa.* Hairy, black: thorax with 3 silvery lines: abdomen cylindrical rufous with a black dorsal line: thighs rufous.
 Inhabits *Spain*; in houses.
 Antennæ black: front with a silvery line each side: wings whitish, the base a little yellowish: abdomen compressed, the edges of the segments silvery: legs black, thighs rufous.
- Napobrassica.* Hairy, grey with longitudinal black lines down the back and sides.
Biereand. Act. Stockh. 1780, 3. n. 4.

Inhabits Sweden, and is very destructive to the roots of turnips, especially those growing in a sandy soil: *larva* white, without feet, the head pointed and tipped with black, and undergoes its transformation about September: *pupa* brown oblong annulate with segments, and becomes a perfect fly the following May.

Grassicornis. Thorax hairy with pale black lines: abdomen ferruginous, the tip tessellate with black and grey.

Inhabits American Islands; large.

Head silvery, the crown dusky. *antennae* long incumbent black: *scutellum* ferruginous: *wings* dusky: *scale* of the *poijers* white: *legs* black.

Erinacea. Hairy, black: lip cinereous: wings white with a black rib.

Inhabits Germany.

Antennae oblong black: *thorax* and *abdomen* very hairy black immaculate: *scale* of the *poijers* arched snowy: *legs* black.

Estiva-tionis. Hairy, black: wings with transverse white dots.

Inhabits Europe. *Fn. Suec.* 1843.

Volvula. Black; abdomen cylindrical with 2 whitish bands in the middle

Inhabits Italy; size of *M. compressa*.

Head whitish with a black line on the crown: *thorax* blackish and slightly tessellate: *abdomen* very hairy.

**Lateralis*. Black; abdomen red with a black tip and striate down the middle,

Donovan. i. tab. 31. fig. 3: Degeer. Inf. 6. tab. 1. fig. 9.

Inhabits Europe; size of *M. domestica*. *Mouth* white.

Albifrons. Hairy, black: abdomen tessellate, the base ferruginous each side.

Inhabits Denmark. *Abdomen* subcylindrical.

**Canicula-
ris*. Blackish: second segments of the abdomen and sides of the third diaphanous.

Inhabits Europe, in swarms under the shade of trees.

Half the size of *M. domestica*. *Front* silvery.

**Pluvialis*. Cinereous; thorax with 5 black spots: abdomen with obsolete spots.

Inhabits Europe, and appears in swarms before rain.

**Subul-*

- *Subsultans* Entirely black with hyaline wings : hind-thighs formed for skipping.
Inhabits *Europe* ; small, and flies by skipping.
- Cborea*. Black with white wings.
Inhabits *Germany* ; resembles *M. roralis*.
- Labiata*. Hairy, blackish with a shining silvery lip : wings white immaculate.
Inhabits *Germany* ; skips like *M. subsultans*.
Legs black : scale of the *poisers* arched and snowy.
- Verna*. Cinereous : abdomen with 2 streaks of black dots.
Inhabits *France*. Body small, hairy.
Wings white immaculate : *sbanks* testaceous.
- *Roralis* Deep black ; wings whitish at the tip.
Inhabits *Europe* ; small.
Antennae very short incumbent : *abdomen* hairy, the *poisers* black.
- *Fenestralis* Glabrous, black : abdomen rugged above with white streaks : wings brown.
Inhabits *Europe*. *Legs* black, hind-ones long.
- Rugosa*. Glabrous, black : abdomen rugged and immaculate above : wings brown.
Inhabits *Kiel* ; larger than the last.
Legs black with ferruginous tarsi.
- Senilis*. Glabrous, black ; abdomen rugged and immaculate above ; wings white ; legs testaceous.
Inhabits *Germany*. *Head* and *thorax* naked.
- *Serrata*. Cinereous ; rib of the wings ferrate with short hairs : abdomen and legs ferruginous.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 1. fig. 15.*
- Nigricornis* Cinereous ; segments of the abdomen tipped with black.
Inhabits *East India* ; size of *M. domestica*.
Head snowy, mouth fringed : *thorax* with faint black lines : *scutellum* brown with a cinereous margin : wings white hyaline : legs black.
- Cinerea*. Hairy, cinereous : antennæ and legs blackish.
Inhabits *East India* : size of the last.

Prothorax tipped with black; scales of the *poifers* snowy: wings whitish: legs dusky with black tarsi.

Scalaris. Black: abdomen cinereous with 5 black bands connected by a line down the middle.

Inhabits *Germany*: a little larger than *M. roralis*.

Orbits silvery: wings white: legs black.

4 maculata Hairy, black: tip of the abdomen with 4 grey dots.

Inhabits *Kiel*: larger than *M. cellaris*.

Head black with a white mouth: scutellum raised: scales of the *poifers* large white: wings whitish.

**Cellaris*. Black: abdomen paler: eyes ferruginous.

Inhabits Wine Vaults. *Reaum. Inf. 5. tab. 8. fig. 7, 11, 12.*

Cylindricornis. Antennæ long cylindrical: body hairy black with yellowish wings.

Inhabits *France*; less than *M. cellaris*.

Last joint of the antennæ cylindrical, nearly as long as the thorax, with a long whitish hair: tarsi yellowish.

Ciliata. Hairy, black: segments of the abdomen blueish at the base.

Inhabits *Europe*; size of *M. meteorica*.

Head black; sides of the mouth silvery with a black line: wings cinereous hyaline: scales of the *poifers* fringed white.

**Meteorica* Black: abdomen pale grey: wings yellowish at the base.

Inhabits *Europe*. *Degeer. Inf. 6. tab. 5. fig. 1.*

Swarms about before showers of rain.

Atrata. Naked, shining black: wings hyaline: joints of the legs testaceous.

Inhabits *Germany*; small.

Head subglobular black: eyes testaceous: wings hyaline.

**Frit.* Black; *poifers* ends of the hind-legs and abdomen pale greenish.

Inhabits *Europe*: about the size of a flea.

The larva is found in the ear of barley and other grain, to which it is so exceedingly destructive, that in one year the value of 100,000 Ducats has been destroyed.

**Pumilionis* Black, beneath yellow: head and 2 lines on the thorax yellow: *poifers* white: legs cinereous tipped with black.

Inhabits *Europe*. *Linn. Transf.* ii. p. 76. tab. 15.

The *larva* is found, early in the spring, in the centre of green wheat and rye, which it blights by stopping its growth and rendering it abortive; *head* pointed and tipped with black: *body* white, composed of 10 rings.

Leprae. Shining-black: antennæ and legs white; eyes reddish-gold.

Inhabits *America*: and breeds in the legs of the natives afflicted with the Elephantiasis: smaller than a louse.

**Putris*. Black; wings white with a black rib.

Inhabits *Europe*. *Mer. Eur. tab.* 43. fig. 83. *Frisch. Inf.* 1. t. 7.

The *larva* is the troublesome magot found in cheese bacon hams &c. so well known to the house-wife under the name of the hopper.

Aterrima. Silky-black: wings white with a double black rib half way down; legs long compressed.

Inhabits *France*; size of *M. putris*.

Manicata. Black; abdomen with pale marginal spots: fore-thighs thickened.

Inhabits *France*; larger than *M. cellaris*.

Head brown, mouth grey: wings hyaline.

Strigula. Thorax with 2 pale lines; abdomen black, the segments with snowy edges.

Inhabits *France*: size of *M. ruralis*.

Head cinereous with a black crown: antennae projecting compressed, black with a white hair: scutellum black with a whitish dot at the tip: breast yellowish: wings immaculate: legs black.

**Cupraria*. Body glaucous-bronze: thorax green: abdomen coppery: poisers naked.

Inhabits *Europe*. *Degeer. Inf.* 4. tab. 12. fig. 4.

Reaum. Inf. 4. tab. 22. fig. 7. 8. *Schaeff. Icon.* t. 209. f. 32. ?

Legs black, and very rarely yellow.

**Aurata*. Thorax polished, brassy or greenish: abdomen polished, obtuse, brownish-gold.

Inhabits *Europe*. *Donovan's. Eng. Inf.* iv. tab. 142. fig. 1.

Head black: segments of the abdomen blackish at the incisures: wings dusky: abdomen sometimes blue.

- Ænea*. Shining green-bronze : head and legs testaceous.
Inhabits *East India* ; larger than *M. polita*.
Head ferruginous with a black proboscis and transverse spot above the mouth : *antennae* testaceous ; *abdomen* bronzed, the back and tail shining blue : *legs* testaceous, fore-thighs with a black ring, shanks black, tarsi white at the base and tip with black.
- **Polita*. Polished ; thorax blue : abdomen brassy : poisers naked.
Inhabits *Europe*. *Poisers* and *legs* yellow.
- **Viduata*. Black-bronze: abdomen brassy : scales of the poisers fringed.
Inhabits *Europe*, in Gardens.
- Pubera*. Black ; last segment of the abdomen incurved, with reflected down each side.
Inhabits *Europe*.
Head hairy black, mouth whitish : *thorax* black subteffellate : *abdomen* long, thin, enlarged at the tip.
- Fasciata*. Testaceous with a black abdomen : wings brown at the tip with a white band : legs long.
Inhabits *American Islands*. *Body* narrow.
Wings white at the base : *hind-legs* very long and black, the thighs with a pale belt at the tip, tarsi with a snowy belt at the base.
2. Head and thorax black.
- **Petronella*. Livid : front red ; legs long testaceous with black joints.
Inhabits *Europe*, on the surface of waters.
- Cylindrica*. Glossy-black: head globular with testaceous eyes ; legs long yellowish.
Inhabits *Germany*; size of the last.
Antennae small testaceous with a black hair : *thorax* naked thin : *abdomen* ovate, with testaceous spots beneath at the base: *wings* white.
- Filiformis*. Body filiform black : head ovate with red eyes: legs very long and testaceous.
Inhabits *Germany* Very long and narrow.
Segments of the *abdomen* whitish at the edges : *legs* testaceous, the joints and tarsi black : *wings* white immaculate.

- Tipularia*. Body long black: head and legs testaceous: wings tipped with brown.
Inhabits *Barbary*: size of *M. petronella*.
Head pale testaceous with a scarlet crown.
- Petiolata*. Hairy, black: abdomen petiole compressed: wings black.
Inhabits *Cayenne*: size of *M. compressa*. *Fabric. iv. p. 337.*
Head black with a white mouth and reddish eyes: *poisers* inowy: abdomen long black, the segments a little whitish at the edges: legs black.
- Ephippium*. Body long black: thorax rufous: legs testaceous.
Inhabits *France*; less than *M. petronella*.
Head globular: antennae yellowish with a whitish hair: thorax naked: wings hyaline: hind thighs with a brown ring.
- Elongata*. Testaceous: legs long, hind-shanks black, the ends whitish.
Inhabits *Sicilia Leonæ*; larger than *M. petronella*.
Eyes large brown; wings hyaline.
- Longipes*. Black: wings brown with a white band at the base and dots: legs long testaceous.
Inhabits *Cayenne*.
Head globular: abdomen long cylindrical, the tip incurved and hooked: 4 hind-legs white before the tip.
- Annulata*. Black; wings hyaline with a brown band: legs long black, hind thighs with 2 white rings.
Inhabits *Cayenne*.
Orbits a little testaceous: thorax black with a blue gloss: wings with a brown patch at the tip.
- Cristata*. Hairy, cinereous: abdomen and legs pale: front ferruginous clavate and projecting beyond the antennæ.
Inhabits *Barbary*.
Antennæ compressed and tipped with black; abdomen with a darker line down the back: wings white.
- Corrigiolata*. Black with long yellow legs, thighs with a black ring.
Inhabits *Denmark*; about stagnant ditches.
- * *Cuspidata*. Black with long pale legs: wings incumbent white.
Inhabits *England*, on trees and walls: resembles a *Cimex*, and runs with great velocity, but seldom flies.
Antennæ cylindrical pale with a long black hair: body black with a sharp style at the tail: wings incumbent.

- Cimicoides*. Black : wings incumbent white with 2 black bands.
Inhabits *Denmark*, on trees : resembles a *Cimex*.
The 14 last species are distinguished from the rest by a globular head with prominent rounded eyes, and a linear body with long legs.
- Pallipes*. Shining bronze: abdomen with 2 yellowish dots at the base; legs yellowish.
Inhabits *Germany*; very small.
Head cinereous with a bronzed crown and dot between the eyes: wings hyaline: legs pale testaceous tip with black.
- **Ungulata*. Brassy-green : tail hooked : legs long livid. .
Degeer. Inf. 6, tab. 11. fig. 19, 20.
Inhabits *Europe*, about waters.
- **Nobilitata* Brassy-green : tail hooked : wings with a black spot tip with white.
Inhabits *Europe*, in gardens. *Schaeff. Icon. tab. 206. fig. 5.*
- Equestris*. Brassy-green : abdomen with 5 black bands ; tail hooked : wings white with a brown spot.
Inhabits *Bras. In the museum of Sir Jos. Banks.*
- **Notata*. Hairy : thorax brown with 4 greenish lines : abdomen bronzed : wings clouded with brown with a black dot.
Inhabits *England.*
Abdomen shortobtruse ovate : legs long black : wings a little testaceous at the base near the rib.
- Glaucata*. Shining black-bronze : head black : antennæ testaceous.
Inhabits *France*: size of *M. unguata*.
Pisfers yellow : wings white : fore legs black, hind-ones testaceous with black thighs.
- Nigripes*. Shining brassy : antennæ and legs black ; wings white immaculate.
Inhabits *France* ; very small.
Thorax and abdomen hairy : legs black.
- Avrogans*. Hairy, black : wings brown with 3 white bands.
Inhabits *Europe*.
- Logicornis*. Antennæ long : body hairy, shining bronze : abdomen darker.

Inhabits American Islands; small.

Antennae hairy, with a single bristle nearly as long as the body: *body* green-bronze with black legs: *wings* hyaline: *tail* hooked.

Rosirata. Body bronzed: abdomen with black bands: mouth horny prominent black.

Inhabits Germany; size of M. unguolata.

Head triangular green-bronze: *thorax* with faint lines: *abdomen* in one sex hooked: *legs* long testaceous.

4-fasciata. Pale with 4 black bands on the abdomen: wings white.

Inhabits Germany; a little less than the last.

Ferruginea. Ferruginous; wings white with a ferruginous rib and streak.

Inhabits East India.

Head with a black dot each side above the mouth: *abdomen* ovate with a black dorsal line, the second segment black at the base: all the *legs* ferruginous.

Histrionica. Cinereous with a ferruginous head: abdomen cylindrical black with a whitish base: wings with a black spot at the tip.

Inhabits East India.

Head with a black spot on the crown: *thorax* cinereous, the fore-margin black each side, the sides and short line in the middle ferruginous: *scutel* whitish.

Suilla. Testaceous; segments of the abdomen edged with black: wings with 2 black dots.

Inhabits Germany; resembles M. lutaria.

Head yellowish: *antennae* ferruginous with a black hair: *wings* white with a black dot in the middle and short line behind.

Flavescens. Hairy, testaceous: abdomen downy tipped with brown.

Inhabits Germany; size of M. scybalaria.

Head testaceous: *antennae* brown: *wings* white.

Turcata. Hairy, dusky: scutel projecting and forked.

Inhabits France.

Mouth whitish: *antennae* compressed short: *thorax* hairy: *scutel* with 2 projecting spines nearly as long as the abdomen: *wings* immaculate: *legs* hairy testaceous.

Oratoria. Testaceous; abdomen pale, the segments edged with black: wings with 3 or 4 brown dots.

In habits

Inhabits *Barbary*; size of *M. scybalaria*.

Head and thorax hairy, pale testaceous.

Merdaria. Hairy, cinereous with rufous flanks: wings white with a brown dot.

Inhabits *Kiel*.

Mouth whitish: *crown* black with a reddish spot: *antennae* black: *abdomen* flat hairy.

Lataria. Grey; abdomen brown: tail and legs ferruginous.

Inhabits *Kiel*.

Mouth whitish: *antennae* rufous: *abdomen* beneath and at the sides brown: *wings* yellowish with a small brown nerve in the middle and a larger one towards the tip.

Livens. Livid, with a ferruginous spot on the front: joints of the legs ferruginous.

Inhabits *Denmark*; size of *M. scybalaria*.

Mouth white: *front* yellowish with a red spot behind the *antennae*: *thorax* and *abdomen* naked.

**Cucularia* Thorax grey: abdomen ferruginous: wings with 3 dots.

Inhabits *Europe*. *Antennae* with a snowy hair.

**Scybalaria*. Hairy; dull ferruginous: wings yellowish with a darker dot.

Inhabits *Europe*, on dung.

**Stercoraria*. Grey, hairy: wings with a dark dot: legs rufous.

Inhabits *Europe*. *Reaum. Inf. 4. tab. 27. fig. 1—3.*

Marginata. Dull lead-colour: wings reticulate with a black rib:

Inhabits *Saxony*; size of the last.

Mouth vesicular white: *antennae* brown with a long white hair: *wings* reticulate with white dots, the rib black.

**Fimetaria* *Antennae* slightly feathered: body glabrous ferruginous: wings immaculate.

Inhabits *Europe*, on dung.

Nigripennis Thorax cinereous: abdomen wings and legs black.

Inhabits *France*; size of the last.

Mouth whitish: *antennae* ferruginous: *head* with a ferruginous spot above the *antennae*: *abdomen* paler at the base.

Rufifrons. Cinereous; head ferruginous with 2 black dots: rib of the wings black.

Inhabits

Inhabits *Italy*; size of *M. marginata*.

Mouth vesicular white: *antennae* rufous with a black margin all round and projecting white hairs: *wings* whitish with black dots: *legs* rufous.

Graminum. Front impressed, fulvous: wings clouded, with 2 dots, the hinder one linear and transverse.

Inhabits *France*; size of *M. rufifrons*.

Antennae long ferruginous with a white hair: *head* under the antennae yellowish with 3 black dots each side; above grey with an impressed fulvous front: *thorax* hairy cinereous with black lines: *abdomen* cinereous with a black tail: *legs* testaceous.

Cincta. Cinereous; head and legs testaceous: wings clouded, with a black rib.

Inhabits *Denmark*; half the size of *M. marginata*.

Antennae testaceous: *tail* subtestaceous: *wings* grey clouded with brown.

Reticulata. Hairy, cinereous: wings faintly reticulate, the rib dotted with white and black.

Inhabits *Italy*; size of *M. fimetaria*.

Head and *antennae* rufous: *mouth* snowy.

Contigua. Testaceous; wings white with 3 black dots united to the rib and a single distinct one.

Inhabits *Brazil*.

Mouth whitish: *thorax* hairy: *legs* testaceous.

Punctata. Cinereous with rufous legs: wings white with rows of black dots between the nerves

Inhabits *Kiel*; half the size of *M. domestica*.

Mouth whitish: *body* greyish.

Umbraculata. Brown; thorax with faint ferruginous lines: breast and legs testaceous.

Inhabits *France*; small.

Antennae ferruginous tipped with black: *head* ferruginous with a black dot on the crown: *wings* hyaline.

Penniper. Hairy; abdomen rufous: wings black with a ferruginous spot and white hind-margin.

Inhabits *North America*: size of *M. domestica*.

Head black with a white mouth: *thorax* black with yellow lines and streaks before: *abdomen* ovate.

- Lugens.* Thorax with yellow lines: abdomen blue: wings black with 2 white bands which are bifid at the outside.
Inhabits *Sierra Leona*; small.
Head ferruginous with 2 yellow dorsal lines: abdomen rounded blue with a yellow spot at the base: wings large black with a white spot at the base, behind which, are 2 bands and 2 dots at the inner margin, one between the bands, the other towards the tip: body beneath and legs yellow.
- Marens.* Hairy, black: thorax with white lines: wings long black with a white line at the base and 3 bands, the first of which is bifid.
Inhabits *Guinea*; large.
Mouth white with black sides: antennae ferruginous: thorax black with 3 faint white lines: abdomen ovate blue immaculate: fore-legs black; middle-ones black, the thighs white at the base; hind-ones white with black joints.
- Olea.* Thorax greyish: abdomen conic ferruginous, the sides spotted with black.
Inhabits *Italy*; the larva in the fruit of the olive.
Head yellowish with 2 black dots above the mouth: thorax with faint black lines: abdomen with 3 black dots each side: wings hyaline; legs yellow.
- Clavata.* Testaceous; abdomen brown, the segments pale at the base, and terminated by a clavate style.
Inhabits *Kiel*; small.
Antennae and thorax hairy: wings large whitish.
- Parietina.* Cinereous; wings brown spotted and dotted with white: front testaceous.
Inhabits *Europe*.
- Discoides.* Black; wings with white dots and marginal lines: head and legs testaceous.
Inhabits *Denmark*; large.
Eyes, thorax and abdomen black immaculate.
- Connexa.* Abdomen cylindrical black: wings white with 3 black bands, the third connected with a spot at the tip.
Inhabits *France*; large.
Head ferruginous with a black line on the crown: thorax black before, behind and scutellum ferruginous: legs and wings yellow.
- Umbra-*
rum. Cinereous; abdomen with black bands: wings brown spotted with white.
Inhabits *Europe*, on flowers.

- **Vibrans*. Wings hyaline tip with black: head red.
Degeer. Inf. 6, 32, 11. tab. 1. fig. 19.
 Inhabits *Europe*, and is continually agitating the wings.
- Punctum*. Wings with a black lateral dot at the tip: abdomen bronzed.
 Inhabits *France*, in moist shady places.
Head blackish: *antennae* dull ferruginous: *thorax* hairy black:
 first segment of the *abdomen* funnel-shaped and ferruginous:
poisfers yellow: *legs* rufous.
- **Cynipsea*. Wings with a lateral black dot at the tip: abdomen cylindrical.
 Inhabits *Europe*, and has a fragrant smell.
- **Grossifacians*. Deep black; wings blackish tip with white.
 Inhabits *Europe*, in shrubberies.
- Artemisiae*. Yellow; wings white with 5 marginal black spots.
 Inhabits *Denmark*, on the *Artemisia vulgaris*.
 Under the *scutellum* are 2 large black spots: *wings* white with 2
 opposite pair of black spots in the middle and a large curve at
 the tip.
- Combinata*. Yellowish: abdomen black: wings with 2 black dots at
 the tip.
 Inhabits *Europe*, on flowers.
Wings white with a dot on the thin edge and at the tip.
- Florum*. Yellow; wings hyaline with 3 black dots on the disk, the
 middle one transverse, and a black curve at the tip.
 Inhabits *Italy*; larger than the last.
- Erythrocephala*. Grey-brown; head rufous with a black dot on the crown.
 Inhabits *Sweden*, on flowers: small.
Wings white with a black dot and transverse line: *legs* black.
- Arnicae*. Testaceous; wings cinereous with deep black marginal
 spots and faint brown dots.
 Inhabits *Europe*, on flowers.
 The last spot on the *wings* is terminal.
- Pulchella*. Hairy, cinereous: disk of the wings yellowish-brown with
 a flexuous white hyaline fillet.
 Inhabits *Italy. Fn. Etrusc. 2. tab. 8. fig. 6. bad.*
Antennae testaceous with a black hair: *scutellum* testaceous tip with
 black: *abdomen* cinereous with a testaceous tail. *eyes* testaceous.
 * *Stylata*.

- * *Stylata*. Cinereous; abdomen black: wings white with 2 brown approximate dots and a curve at the tip.
Inhabits *England*, in woods and meadows.
Antennae ferruginous: *front* yellow, the crown cinereous: *thorax* hairy cinereous with a yellow lateral line: *scutellum* and *putters* yellow: *abdomen* oblong black, terminated by a style as long as the body: *legs* ferruginous.
- Ruficauda*. Cinereous; wings white with 3 costal black spots: style at the end of the tail rufous with 3 black dots.
Inhabits *France*; resembles the last.
Head yellowish: *thorax* cinereous with a yellow scutellum: *style* rufous with 2 dots at the base and one at the tip: *legs* yellow.
- Arcuata*. Testaceous; wings with 2 black spots and curve at the tip.
Inhabits *Germany*; resembles *M. stylata*.
Head testaceous with a ferruginous front: *abdomen* with a short thick obtuse style: tip of the wings black with a small white dot.
- * *Umbellatarum*. Cinereous with ferruginous legs: wings white with transverse brown spots and tip.
Inhabits *England*. *Degver. Ins.* 6, tab. 2, fig. 17, 18.?
Head whitish: *antennae* rufous: *tail* reddish with a black style.
- Heraclei*. Cinereous; wings white with brown dots 2 bands and line at the base.
Inhabits *Kiel*; size of the last.
Head whitish: *antennae* ferruginous: *tail* with a long style reddish in the middle: *legs* testaceous.
- Dorsalis*. Wings white with a few black dots: thorax cinereous: abdomen rufous with a black dorsal line.
Inhabits meadows of *Bohemia*.
Mouth white: *antennae* rufous: *legs* rufous, black at the ends.
- Seminationis*. Wings black with cinereous specks: abdomen yellow at the base beneath.
Inhabits meadows of *Leipsick*; size of *M. domestica*.
Body entirely grey or brown with minute grey specks.
- Picta*. Brown; wings black with 2 opposite white spots each side and 2 white dots between them.
Inhabits *North America*.
Head and *thorax* rusty-brown: wings a little ferruginous at the base: *legs* piceous.

- Vittata.* Hairy, black : head marginal streak on the thorax scutell and flanks yellow : wings with a white band.
Inhabits *Guinea*.
Head yellow : *antennæ* black ; *abdomen* curved tapering : *wings* black with an abbreviated white band : *legs* yellow. *thighs* black.
- **Flava.* Yellow : *antennæ* with a black dot at the tip.
Inhabits *Europe*: varies in size.
- **4-punctata.* Yellow with 4 black dots on the abdomen.
Inhabits *Europe*. Dots on the *abdomen* remote.
- **Æstivans.* Wings hooked white with a blackish central dot.
Inhabits *Europe*, on flowers,
- Lineata.* Black with yellow lines on the thorax : scutell and body beneath yellow.
Inhabits *Europe*, in ears of barley, which it renders sterile.
Head yellow with a black crown : *wings* immaculate.
- Rosæ.* Brassy-black ; head rufous : legs testaceous.
Inhabits *Kiel*; on flowers : small. *Wings* hyaline.
- **Serratulæ* Wings white : thorax greenish : abdomen cinereous with 4 lines of black dots.
Inhabits *Europe*, on thistles,
- **Germinatious.* Wings white with a black margin and spots.
Inhabits *Europe*, under leaves of trees.
Thorax cinereous : *abdomen* black, ending in a style.
- **Urticæ.* Black, wings white with a terminal brown dot and 3 distinct bands.
Inhabits *Europe*, on the Nettle. *Front* ferruginous.
- Craffiipennis.* Cinereous ; abdomen with black bands : wings milk-white with 4 abbreviated black bands.
Inhabits *Germany*: size of the last.
Head whitish : *antennæ* ferruginous with a black hair : *wings* rather thick with 4 bands, 1, 2, at the thicker margin, 3 at the thinner, 4 terminal : *legs* black, flanks subtestaceous.
- Cornuta.* *Antennæ* projecting spinous and 1-toothed beneath ; body grey : wings white with 4 brown bands.
Inhabits *Germany*; size of *M. tuffilago*.

Head pale testaceous with 2 horns connected to the antennæ and bent with rigid bristles; *thorax* hairy cinereous; *abdomen* darker, the edges of the segments subferruginous; *legs* testaceous.

Dauci. Wings white with 4 distinct black bands: scutellum and legs testaceous.
Inhabits Sweden: less than *M. Urticæ*.
Abdomen black with a long style.

**Cerasi.* Wings white with unequal brown bands: the lower-ones connected outwardly.
Reaumur; *Inf.* 2. tab. 38. fig. 22, 23. *Blanch.* t. 16. fig. L.
Inhabits Europe, in the kernels of Cherries.
Body black: *front* testaceous.

Annonæ. Blue; wings white with 4 black bands, the lower-ones connected outwardly.
Inhabits American Islands; small.
Front fulvous: *crown* blue: *legs* black.

Crax. Cinereous: wings white with 3 unequal black bands: legs testaceous.
Inhabits East India: size of *M. Urticæ*.
Abdomen varied with cinereous and black and ending in a long style: *wings* with 3 bands at the base.

**Cardui.* Black; wings white with a flexuous brown band.
Reaumur. *Inf.* 3. tab. 45. fig. 12—14. *Blanch.* t. 16. f. T.
Inhabits Europe, in the flowers of Thistles.

Syngenesiæ. Black: wings white with 3 abbreviated black bands and spot at the tip.
Inhabits Germany; small.

Tussilaginis. Yellow; wings white with 4 brown bands.
Inhabits Denmark, on flowers.
Abdomen cinereous with a ferruginous style tipped with black.

Furcata. Cinereous with a testaceous tail: wings brown dotted with white.
Inhabits American Islands; small. *Eyes* green.

**Solstitialis.* Wings white with 4 connected black bands: scutellum yellow.
Inhabits Europe. *Donovan*. *Eng. Inf.* ix. tab. 294.

Head.

Head pale : *body* blueish-black : *abdomen* ending in a long style : *wings* with a brown outer margin connecting the 4 bands : *legs* yellow, thighs black.

Costalis. Blue : wings white with 2 black costal spots.

Inhabits *South American Islands* ; small.

Mouth greyish ; *crown* ferruginous . *abdomen* ending in a long setaceous style : *legs* black.

Lychnidis. Black with yellow head and legs : wings black, the border streaked with white

Inhabits *Kiel*.

**Onopordi-* Ferruginous with a yellowish scutel : wings with brown
nis. marks and tip.

Inhabits *Europe.* *Donovan's. Eng. Inf. ii. tab. 62.*

Head and *legs* pale : *scutel* clavate.

Centaureae Black ; head and legs yellow : wings with brown marks and tip.

Inhabits *Kiel* ; resembles the last.

Head whitish : *antennae* yellow : *thorax* black with a yellow lateral margin : *legs* yellow.

Scabiosae. Yellow : disk of the wings sinuate brown and dotted with white.

Inhabits *France* ; large.

Abdomen yellowish, each segment with 2 black dorsal dots ; *style* exerted rufous : *tip* of the *wings* brown.

**Hieracii.* Wings brown varied with white, on the thicker margin 3 black spots with a white pupil.

Inhabits *England*, on flowers.

Body grey with a few small brown dots : *thorax* grey with 2 brown dots on the shoulders, 4 in the middle and 2 behind : *abdomen* grey with 4 black bands, the 2 first interrupted : *legs* yellow.

Minuta. Yellow : *thorax* black on the back : *abdomen* with 2 black streaks and 2 dots behind.

Inhabits *Kiel* ; very small.

Æquino- Glabrous, black : head testaceous ; eyes chestnut-brown :
ialis. legs long.

Inhabits *South America.* *Body* long narrow.

- Cibaria.* Smooth with raised stemmata : abdomen cinereous hooked : legs long.
Inhabits *Europe*, in Kitchens. *Fn. Suec.* 1859.
- Terrestris.* Brown; thorax with a brown dot without the lines : abdomen striate beneath.
Inhabits *Sweden* ; feeds on the ground.
- Saluum.* Wings white with a brown rib and terminal dot : body yellow : head blackish behind.
Inhabits *Europe.* *Fn. Suec.* 1866.
- Arnicae.* Wings hooked grey spotted with black.
Inhabits *Europe*, on the disk of radiate flowers, particularly the *Arnica Montana.* *Aldrov. Inf. tab. 1. fig. 5.*
- Sonchi.* Wings hyaline with a black marginal spot : eyes green.
Inhabits *Europe*, on the receptacles of the *Sonchus arvensis.*
Thorax brown with a paler scutellum : *abdomen* ovate black beneath green, the edges of the segments whitish, tail with an obtuse style : *wings* with 2 anastomosing brown nerves : *legs* testaceous.
- Subcutanea.* Wings white with flexuous brown bands : eyes green.
Inhabits *Europe*, under the leaves of the *Heracleum.*
Musca Heraclii. *Fn. Suec.* 1877.
- Rufiventris.* Thorax cinereous : abdomen rufous with a black spot at the base : wings yellowish at the base with 2 brown spots and brown hind-margin.
Inhabits *Europe.* *Mus. Lesh. p. 131. n. 108.*
- Setosa.* Black : abdomen bristly, with a pale spot each side at the base.
Inhabits *Europe,* *Mus. Lesh. p. 131. n. 112.*
- Verfipellis.* Black ; 3 first segments of the abdomen each side changeable reddish-grey.
Inhabits *Europe.* *Mus. Lesh. p. 131. n. 113.*
- Pulla.* Black ; abdomen glabrous greenish-black.
Inhabits *Europe.* *Mus. Lesh. p. 131. n. 114.*
- Brunsa.* Entirely chestnut-brown.
Inhabits *Europe.* *Mus. Lesh. p. 131. n. 118.*

- Nigripilis.* Cinereous with black bristles : legs testaceous, black at the ends:
Inhabits Europe. *Mus. Lesk. p. 131. p. 119.*
- Nigripes.* Cinereous ; wings yellowish at the base : legs black.
Inhabits Europe. *Mus. Lesk. p. 131. n. 120.*
- Tibialis.* Cinereous ; front tip of the thighs and shanks testaceous.
Inhabits Europe. *Mus. Lesk. p. 131. n. 123.*
- Vericolor.* Black with a changeable grey gloss.
Inhabits Europe. *Mus. Lesk. p. 131. n. 124. 131.*
- Picea.* Piceous, glabrous : legs black.
Inhabits Europe. *Mus. Lesk. p. 131. n. 125.*
- Craffipes.* Black, rough : thighs thick.
Inhabits Europe. *Mus. Lesk. p. 131. n. 126.*
- Leucosticta.* Black ; wings with numerous white dots.
Inhabits Europe. *Mus. Lesk. p. 131. n. 121.*
- Ruficapilla.* Cinereous with a rufous crown and testaceous shanks.
Inhabits Europe. *Mus. Lesk. p. 131. n. 130.*
- Ochroptera.* Black : front white : wings yellowish : shanks ferruginous.
Inhabits Europe. *Mus. Lesk. p. 131. n. 132.*
- Subulata.* Piceous : abdomen subulate : wings with a ferruginous spot : shanks pale.
Inhabits Europe. *Mus. Lesk. p. 132. n. 134.*
- Conica.* Cinereous : abdomen conic : legs brown-testaceous.
Inhabits Europe. *Mus. Lesk. p. 132. n. 135.*
- Abrupta.* Cinereous : wings with 3 abrupt testaceous bands.
Inhabits Europe. *Mus. Lesk. p. 132. n. 136.*
- Chrysoccephala.* Crown ferruginous : back of the thorax and linear abdomen black ; wings white with 2 brown bands, the tip brown with a white spot.
Inhabits Europe. *Mus. Lesk. p. 132. n. 137.*
- Flavesceus.* Yellowish-grey with a ferruginous crown : head and legs yellow ; wings white with 4 yellow bands.
Inhabits Europe, *Mus. Lesk. p. 132. n. 140.*

- Leucopis.* Blackish with a white face : tip of the scutellum subtestaceous : abdomen changeable grey.
Inhabits Europe. *Mus. Lesk. p. 132. n. 141.*
- Cylindrica.* Blackish : abdomen cylindrical changeable grey.
Inhabits Europe. *Mus. Lesk. p. 132. n. 142.*
- Teres.* Piceous, glabrous, cylindrical : legs yellow.
Inhabits Europe. *Mus. Lesk. p. 132. n. 143.*
- Seticornis.* Reddish-brown with brown eyes and wings.
Inhabits Europe. *Mus. Lesk. p. 132. n. 146.*
- Sordida.* Black ; wings brownish with hyaline thinner margins.
Inhabits Europe. *Mus. Lesk. p. 132. n. 147.*
- Tricolor.* Cinereous : wings brown : legs black.
Inhabits Europe. *Mus. Lesk. p. 132. n. 148.*
- Depressa.* Brown with ferruginous legs ; abdomen depressed.
Inhabits Europe. *Mus. Lesk. p. 132. n. 151.*
- Quadricolor.* Polished : thorax blue : abdomen green : thighs black, the tip and shanks yellow
Inhabits Europe. *Mus. Lesk. p. 132. n. 152.*
- Squalida.* Blackish ; abdomen cylindrical cinereous with a black dorsal line.
Inhabits Europe. *Mus. Lesk. p. 132. n. 153.*
- Latipes.* Yellow : abdomen clavate : hind-thighs yellow : shanks with a white ring.
Inhabits Europe. *Mus. Lesk. p. 132. n. 154.*
- Despecta.* Testaceous with a cinereous back : segments of the abdomen brown at the base.
Inhabits Europe. *Mus. Lesk. p. 132. n. 155.*
- Liturata.* Grey ; wings with a ferruginous spot : legs pale.
Inhabits Europe. *Mus. Lesk. p. 132. n. 156.*
- Triangulata.* Blackish, crown with 3 black dots each side : thorax pale cinereous.
Inhabits Europe. *Mus. Lesk. p. 133. n. 161.*

Leuceptera. Piceous, glabrous : legs ferruginous : wings white.
Inhabits Europe. *Mus. Lesk.* p. 133. n. 163.

Glaucoptera. Piceous, glabrous : wings glaucous.
Inhabits Europe. *Mus. Lesk.* p. 133. n. 162.

9-punctata. Thorax black : abdomen pale grey with 9 black dots.
Inhabits Europe. *Mus. Lesk.* p. 133. n. 164.

Picata. Thorax black : abdomen piceous glabrous ; ends of the hind-legs thick.
Inhabits Europe. *Mus. Lesk.* p. 133. n. 166.

9-maculata. Yellow ; wings with 6 blackish spots and 3 at the tip.
Inhabits Europe. *Mus. Lesk.* p. 133. n. 168.

Rufripes. Black with ferruginous legs.
Inhabits Europe. *Mus. Lesk.* p. 133. n. 170.

Melanocephala. Yellow with a black dot on the crown : thorax with 3 longitudinal black stripes.
Inhabits Europe. *Mus. Lesk.* p. 133. n. 171.

**Granditarsa*. Glabrous : thorax black-bronze : abdomen ferruginous tipped with black.
Inhabits England. *Forst. Nov. Inf.* 1. p. 99.
Abdomen oblong : thighs and tarsi black, the first joint very thick : wings pale fulvous : poisers white.

Apiformis. Hairy, black : base of the thorax yellow : abdomen with a yellow belt, the tail whitish.
Inhabits Austria. *Schranck. Inf. Aust.* p. 459. n. 933.
Pupa footy, gibbous ; found in the decayed parts of trees.

Argyrostroma. Hairy ; black with a silvery front : abdomen with silvery bands.
Inhabits Vienna. *Schranck. Aust.* p. 460. n. 935.
Body above shining : eyes reddish : wings hyaline.

Fulviventris. Blackish ; abdomen with yellow down beneath : wings dotted with white.
Inhabits Vienna. *Schranck. Aust.* p. 469. n. 953.
Orbits silvery : wings footy with crowded white dots.

Clavicornis. Yellow, naked ; eyes green : hind-thighs clavate.

Inhabits

Inhabits *Austria*. *Schranck. Inf. Aust. p. 471. n. 958.*

Thorax with brown lines : *abdomen* with 3 reddish brown bands.

5-punctata. Cinereous ; wings with a dot at the tip, one at the inner-margin and 3 at the outer.

Inhabits *Austria*. *Schranck. Aust. p. 473. n. 962.*

Stictica. Yellow ; thorax and abdomen with 4 lines of black dots ; wings white with a yellow margin and 3 bands.

Inhabits *Vienna*. *Schranck. Aust. p. 474. n. 963.*

Psiloptera. Wings reddish-brown variegated with white.

Inhabits *Austria*. *Schranck. Aust. p. 474. n. 964.*

Linzenfis. Black ; front red, the margin with 2 anastomosing brown spots.

Inhabits *France*. *Geoffr. Inf. par. 2. p. 504.*

Nafuta. Yellow : thorax with about 5 black lines : abdomen with 4 black bands.

Inhabits *France*. *Geoffr. Inf. par. 2. p. 508.*

Lamed. Wings hyaline, the outer-margin varied with brown, the inner-margin marked with a brown hebrew lamed.

Inhabits *Austria*. *Schranck. Aust. p. 475. n. 967.*

Body cinereous : *head* white : *eyes* black : *antennae* and *legs* testaceous.

Miliaria. Yellow with black eyes ; wings yellow with a triple brown spot and numerous dots.

Inhabits *Europe*. *Geoffr. Inf. par. 2. p. 498.*

Cyanophthalmia. Hairy ; eyes violet with 6 purple bands : legs with a white ring.

Inhabits *Austria*. *Schranck. Aust. p. 477. n. 970.*

Body glossy black : *head* red between the eyes ; *scutellum* coppery : *abdomen* reddish each side beneath.

Meticulosa. Glossy-black : *thorax* rufous with a black band, the hind-ones curved.

Inhabits *Austria*. *Schranck. Aust. p. 477. n. 972.*

Merulina. Glossy-black with red eyes : wings hyaline immaculate.

Inhabits *Austria*. *Schranck. Aust. p. 477. n. 971.*

- Refinellæ.* Black : scale of the poisers, ferruginous : abdomen with 2 thin white belts
In the *Phalacna refinellæ*. Schr. Aust. p. 478. n. 973.
- Cornuta.* Yellowish with 2 horns sending out 3 branches from the upper side : wings hyaline spotted with brown.
Inhabits Carniola. Scopol. Ann. Hist. 1. p. 123. n. 149.
- Iridata.* Thorax splendid green : abdomen lucid lanceolate, violet-brown.
Inhabits Carniola. Scopol. Ent. Carn. 915.
- Cannabina.* Thorax bronzed : abdomen pellucid yellow with alternately narrower black bands.
Inhabits Carniola. Scopol. Ent. Carn. 929.
Scutel yellow : legs yellowish.
- Lupina.* Thorax cinereous with 4 interrupted black lines : abdomen subteffellate, the sides diaphanous.
Inhabits New Zealand. Stock. Aët. 1787. 4. n. 2, 50.
Body downy and rough with very rigid bristles.
- C. Sucker with a single bristle, without sheath : antennæ pointed and united at the base. Stratiomys.
- Tefacea.* Scutel 2-toothed : body testaceous ; first segment of the abdomen brownish.
Inhabits South America ; large, glabrous.
Thorax with faint lines : legs testaceous : wings with a testaceous tinge.
- Errans.* Scutel 2-toothed black : abdomen black, the second and third segments with white sides.
Inhabits — less than the last.
Head rounded brown : antennæ hardly united but approximate and yellow : all the segments of the abdomen beneath edged with white : legs testaceous with black thighs.
- * *Chamæ-* Scutel 2-toothed yellow : abdomen black with 3 triangular yellow spots on each side and one at the end.
Donovan. 1. tab. 31. fig. 1. Reaumur. 4. tab. 25. fig. 7.
Sulz. Ins. tab. 20. fig. 130. Schæff. Ic. tab. 14. fig. 16.
Inhabits Europe, near fresh waters : the female deposits her eggs in the hollow stalks of aquatic plants or broken reeds.

Larva.

Larva with 12 annular divisions, the tail with a circular fringe of hairs, which when expanded, supports it on the surface of the water with its head downwards.

Front of the male yellow, of the female cinereous.

Splendens. Scutel 2-toothed : body covered with rich gold down : abdomen with black bands.

Inhabits *Spain* ; size of *M. Chamæleon*.

Furcata. Scutel 2-toothed black edged with yellow : abdomen black, the sides spotted with yellow.

Inhabits *Germany*; size of *M. Chamæleon*,

Head cinereous downy with a yellow spot on the crown : *thorax* pubescent black : *abdomen* with yellow marginal spot above and 3 streaks beneath ; *wings* whitish with a testaceous thicker margin : *legs* yellow, thighs black.

Ephippium. Scutel 2-toothed : thorax rufous and spinous each side.

Inhabits *Europe*. *Schæff. Monog.* 1753. *tab.* 1. *Body* black.

Crucis. Scutel 2 toothed black ; abdomen black with 2 lateral yellow spots and tip.

Inhabits *South American Islands* ; large.

Antennae yellow : *mouth* covered with gold down : *eyes* large black : *thorax* brown, covered with gold down : *legs* testaceous, thighs black.

Flavissima. Scutel 2-toothed : body black ; abdomen rufous with a longitudinal black line.

Inhabits *Italy* ; large.

Head and *thorax* black covered with thin silvery down : *abdomen* flat : *wings* hyaline with a broad brown rib at the base : *legs* black.

• *Microleon.* Scutel 2-toothed: abdomen black with lateral white streaks.

Inhabits *Europe*. *Degren. Inf* 6, *tab.* 9. *fig.* 1. Aquatic.

Strigata. Scutel 2-toothed : abdomen black with white streaks beneath,

Inhabits *Italy*; resemble the last.

Head and *thorax* covered with cinereous down : teeth of the *scutel* yellow.

Cyanea. Scutel 2-toothed ; body blue : head verficular white.

Inhabits *Cayenne*. *Legs* black.

Pallipes.

- Pallipes.* Scutel 2-toothed: abdomen above black, the edges of the segments whitish each side.
Inhabits *North America*.
Head black with a yellowish frontal line: *thorax* brown: margin of the *scutel* yellowish, the teeth white: *abdomen* depressed, beneath pale: *legs* pale.
- Mutabilis.* Scutel 2-toothed: body grey downy: abdomen black at the base: rib of the wings ferruginous.
Inhabits *Cayenne*.
Antennæ black, the base ferruginous: *scutel* pale at the base: *abdomen* black with a rich grey hue in a certain position of light, the tip slightly ferruginous: *legs* grey with black thighs.
- Fasciata.* Scutel 2-toothed; body black: abdomen with 2 white streaks above, beneath silvery.
Inhabits *Cayenne*.
Club of the *poisfers* silvery: *wings* whitish with a broad brown rib: *legs* palish with black thighs.
- Argentata.* Scutel slightly 2-toothed: body black: abdomen covered with silvery down with yellow lateral spots.
Inhabits *Saxony*; size of *M. fasciata*.
Mouth and *thorax* with cinereous down: *abdomen* beneath subtestaceous: *wings* white, the upper half of the rib and annexed curve black: *legs* yellowish.
- Tigrina.* Scutel 2-toothed: body black: abdomen rufous beneath.
Inhabits *Waters of Denmark*.
Teeth of the *scutel* and *poisfers* yellow: *abdomen* beneath rufous edged round with black: *wings* white with a brown rib.
- **Hyaroleon.* Scutel 2-toothed: body black: abdomen green with a black line down the middle.
Degeer. 6. tab. 9. fig. 4. *Schæff. Icon. tab. 11. fig. 14.*
Inhabits about stagnant waters of *Europe*.
Poisfers green: *eyes* green dotted with black: *body* black minutely speckled with green.
- Firidule.* Scutel 2-toothed: abdomen green with a black back.
Inhabits *Germany*; half the size of the last.
Body greenish: *abdomen* paler with a thin black dorsal line and large spot at the tip: *wings* hyaline with a yellowish rib.
- **Trilineata* Scutel 2-toothed: abdomen greenish-yellow: *thorax* with 3 black stripes: abdomen with black marks.

Inhabits Europe. *Donovan's Eng. Inf.* v. tab. 151. fig. 5.

Head pale ferruginous: eyes greenish with a ferruginous streak: thorax black with 4 greenish-yellow lines: scutel greenish-yellow: abdomen black in the middle with 2 greenish-yellow femilunar marks, the tip yellowish, the sides greenish-yellow with transverse black streaks: legs yellowish.

• *Hypoleon.* Scutel 2-toothed yellow: thorax black edged with yellow: abdomen black with 5 yellow spots.

Inhabits Europe. *Donovan's Engl. Inf.* v. tab. 146. fig. 2.

Head black: abdomen with 2 transverse yellow spots on each side and one at the tip: legs yellowish.

Muscaria. Scutel 2-toothed yellow: body black; margin of the abdomen spotted with yellow.

Inhabits Italy; half the size of the last.

Head and thorax black: abdomen roundish with 5 yellow marginal spots.

Minutior. Scutel 2-toothed: body black; segments of the abdomen edged with white.

Inhabits Tranquebar; small.

Head white with 4 black dots on the front and a black band on the crown: scutel edged with white: abdomen beneath whitish: wings white: legs white, thighs and hind-shanks with a white ring.

Melanopis. Scutel 2-toothed: body testaceous with black eyes: second and third segments of the abdomen with a yellow spot each side behind.

Inhabits Europe. *Mus. Lesk.* p. 127. n. 42.

Nigricans. Scutel 2-toothed, black with yellow teeth: abdomen black, the hinder margins of the segments whitish beneath.

Inhabits Europe. *Mus. Lesk.* p. 128. n. 43.

4-lineata. Scutel 4-toothed: body black: abdomen with 4 white lines.

Inhabits Sierra Leona; size of *M. flavipes*.

Antennae hairy black tipped with white; head black, orbits white: thorax black with violet down: scutel black with 4 yellow teeth: wings dusky: legs black.

Clavipes. Scutel 6-toothed: body black: abdomen ferruginous.

Inhabits Sweden. Wings brown: legs rufous.

• *6-dentata* Scutel 6-toothed; thorax bronzed: abdomen ferruginous.

Inhabits England. In the museum of Sir J. J. Banks.

Thorax

Thorax shining bronze: *scutel* with 6 long black teeth: *abdomen* long flat above and pubescent: *wings* whitish with a black marginal spot: *legs* yellow, the hind ones long.

* *Chalybea*. Scutel 6-toothed: thorax steel blue; abdomen black.

Inhabits England. Forst. Nov. Inf. 1. p. 95.

Wings and *poisers* black: *legs* testaceous, the ends black and clavate.

* *Similis*. Scutel 6-toothed shining green-blue: abdomen steel-blue.

Inhabits England. Forst. Nov. Inf. 1. p. 97.

Wings subferruginous with a brown dot: *legs* black: *poisers* white.

* *Vallata*. Scutel 6-toothed: abdomen and thighs yellow.

Inhabits England. Forst. Nov. Inf. 1. p. 96.

Wings subferruginous flat incumbent with a brown dot in the middle of the rib: *poisers* yellow: *shanks* near the tip and *tarsi* brown.

c. *Sucker with a single bristle and univalve sheath: antennæ seated on a common petiole.* Ceria.

Univalvis. Black; front yellow: thorax spotted with yellow: abdomen with 3 yellow streaks.

Inhabits Kiel and Barbary. Ceria. Fabric. iv. p. 227.

Feelers short capitate 3-jointed: *antennæ* of 2 articulations, the first obconic, the second clavate and pointed: *head* black with a yellow line on the crown: *front* yellow with a black line: in the middle: *wings* white, the thicker margin half black: *legs* yellow, thighs annulate with brown.

d. *Sucker with 3 bristles, without sheath: feelers placed at the base of the sucker.* Rhagio.

* *Scolopacea* Cinereous; abdomen yellowish with 3 rows of black dots: wings clouded.

Inhabits Europe. Degeer. 6. tab. 9. fig. 6. Reaum. 4. t. 10. f. 5, 6.

Tringaria. Cinereous; abdomen yellowish with 3 rows of black dots; wings immaculate: thorax of one colour.

Inhabits woods of Europe.

Vanella. Cinereous; thorax lineate: abdomen testaceous immaculate: wings subtestaceous.

Inhabits Denmark; resembles the last.

Ardea. Black; margin of the abdomen spotted with grey: wings immaculate: flanks testaceous.

Inhabits *Italy*; size of the last.

Head cinereous downy: *thorax* hairy black: *poisens* black with ferruginous heads; *legs* testaceous with cinereous thighs.

Vermiles. Cinereous; abdomen with 3 rows of black dots: wings immaculate: thorax spotted.

Degeer. inf. 6. tab. 10. fig. 9. Reaum. Agr. Par. 1763. tab. 17.

Inhabits *France*, in moveable sands.

Lineata. Thorax lineate: abdomen black: wings hyaline with a brown spot and tip

Inhabits *England*.

Antennae cylindrical incurved, longer than in others: *fore-legs* long black.

Fuscata. Thorax cinereous with black lines: abdomen brown: wings with a black marginal spot in which is a cinereous dot.

Inhabits *Sweden*.

Norwegica. Testaceous; abdomen with 5 black bands: wings hyaline with a brown spot at the tip.

Inhabits *Norway*.

Thorax gibbous: *abdomen* cylindrical: *legs* long brown, thighs pale.

Tipuliformis. Brown; wings white tipped with black.

Inhabits *Germany*; less than the last.

Chrysopus. Thorax ferruginous: abdomen black with yellow spots on the sides

Inhabits *Germany*; small.

Head globular black: *thorax* smooth: *abdomen* cylindrical incurved, with 3 yellow spots each side and one on the back: *legs* yellow with black ends: *wings* hyaline immaculate.

Bicolor. Testaceous; back of the thorax and tip of the abdomen black: wings with a brown spot.

Inhabits *Italy*.

Head black: *thorax* testaceous with a large black spot on the back,

Adspersa. Abdomen black, the segments edged with white: wings brown hyaline with 2 black spots.

Inhabits Germany.

Head globular black: antennae yellowish at the base: thorax brown with obscure yellow lines: legs pale.

Bilineata. Blackish; thorax cinereous with 2 black lines: wings hyaline with black marginal spots.

Inhabits Kiel; small.

Abdomen flat black, the segments a little pale at the edge: legs black, thighs testaceous.

Macroceras Testaceous with lateral black spots on the abdomen: antennae very long.

Inhabits Germany.

Antennae setaceous, thrice as long as the body: wings white spotted with black: legs long pale.

Succinea Testaceous with black bands on the abdomen: wings hyaline with black spots.

Inhabits Kiel.

Head globular: wings with numerous small spots.

Tomentosa. Black; abdomen covered with gold down: wings white with a black marginal spot.

Inhabits Denmark; twice as large as *M. diadema*.

Head and thorax hairy blackish: poisers black: legs testaceous with black thighs.

Lincola. Cinereous; abdomen testaceous with a black tail and spots on the back: wings hyaline with a black marginal spot.

Inhabits Denmark; size of *M. diadema*.

Scutell and poisers yellow: abdomen conic with a stripe of large black spots with a terminal one at the tail: wings with a small black marginal line: legs testaceous.

Maura. Deep black with blackish wings.

Inhabits Germany; middle-sized.

Nigrita. Black; segments of the abdomen edged with cinereous down: wings white with a marginal black spot: legs black.

Inhabits Italy; size of *M. diadema*.

Diadema. Cinereous; wings white with a marginal brown spot: legs yellowish.

Inhabits Leipzig. Legs long testaceous.

- Atrata.* Black immaculate; wings hyaline with a black marginal spot.
Inhabits *Italy*; larger than *M. diadema*.
- Colombaschenfis.* Black with white incisures of the abdomen shanks and tarsi.
Inhabits *Siberia* and *Russia*, in the spring and autumn: is extremely troublesome and often fatal to cattle, insinuating itself into the nobler parts and destroying them in the course of 4 or 5 hours.
- Papataci.* Antennæ body and wings hairy.
Inhabits *Italy*; very small: is extremely troublesome at night during the whole summer.
Eyes black dotted with white: *abdomen* red.
- Acuminata.* Black; abdomen thin long and subulate at the end: wings spotted: thighs yellowish-rufous, shanks brownish.
Inhabits *Europe*. *Maj. Lesh. p. 128. n. 50.*
- *Sucker with 3 bristles and a single-valved sheath: antennæ united at the base and pointed at the tip* Bibio.
- Ænea.* Black downy: abdomen bronzed.
Inhabits *Germany*.
Antennæ large black tipped with white: *lip* dull yellowish: *abdomen* covered with ferruginous down: *legs* pale, thighs black.
- *Plebeja.* Cinereous hairy: segments of the abdomen edged with white.
Inhabits *Europe*. Hind shanks ferruginous.
- Ochropus.* Hairy cinereous: segments of the abdomen edged with yellow: legs testaceous.
Inhabits *Germany*; size of the last.
Antennæ hairy cinereous, the tip naked black: *wings* with a few dots formed by the junctures of the nerves.
- Marginata.* Black; abdomen conic, the segments edged with white: wings spotted with black.
Inhabits *Italy*. *Wings* spotted with black.
- Nobilis.* Ferruginous hairy: abdomen conic fulvous with a black tail.
Inhabits woods of *Denmark*.

- Lugubris*. Hairy black : mouth cinereous : flanks testaceous.
Inhabits *Kiel*. *Wings* whitish : *legs* black.
- Strigata*. Hairy, black, with 2 white streaks on the abdomen.
Inhabits *Germany*; resembles the last.
Head cinereous hairy : *antennae* palish at the base : *thorax* hairy brown : *abdomen* conic, with 2 white streaks above and beneath : *wings* dusky with a white dot or two : *legs* testaceous, thighs black.
- Florescens*. Black ; feelers and fore-legs testaceous.
Inhabits *Germany*; small.
Head hairy : *wings* whitish, the rib fringed with black at the base and a black line adjoining.
- Anilis*. Villous whitish-grey with hyaline wings.
Inhabits *Europe*. Hind-legs long pale.
- Pantherina*. Black : back of the abdomen with 3 white spots united to as many at the sides.
Inhabits *Sweden* : naked. *Fn. Suec.* 1783.
Scutell entire : *thorax* with a white dot at the base each side : *abdomen* depressed margined.
- Denigrata*. Hairy: black : *thorax* with a white line each side : wings varied with black.
Inhabits *Europe*.
- Melanoptera*. Black : scutell ferruginous : abdomen beneath and angles of the segments ferruginous
Inhabits out of *Europe*. *Mus. Lesh. p.* 127. n. 41.
- Fusca*. Hairy, yellowish : wings and abdomen brown, the segments with a ferruginous spot each side.
Inhabits out of *Europe*. *Mus. Lesh. p.* 127. n. 41. b.
- Polyzonias*. Abdomen ferruginous with a longitudinal black stripe ; wings hyaline banded.
Inhabits *Siberia*. *Lepech. It.* 2. tab. 11. fig. 29.
- f. *Sucker with 4 bristles, without sheath : feelers placed at the base of the bristle.* Syrphus.
- †. *Antennae feathered,*
- **Inanis*. Thorax subtestaceous : abdomen pelucid with 2 black belts.

Inhabits *Europe*. *Degeer. Inf.* 6. tab. 3. fig. 5.

Schaeff. Icon. tab. 36. fig. 7, 8. *Panz. Fn Germ.* 2. tab. 6.

Head yellow: *antennae* fulvous with a black feathered hair: *abdomen* with 3 black belts and tail beneath.

Micans. Thorax black on the back: *abdomen* pellucid with 3 black belts.

Inhabits *Italy*; less than the last.

Head yellow: *antennae* ferruginous: *eyes* with a yellow line: *thorax* with a lateral yellowish line: *tail* blackish: *legs* rufous.

**Pellucens.* Black; first segment of the *abdomen* white pellucid.

Inhabits *Europe*. *Degeer. Inf.* 6. tab. 3. fig. 1.

Harris. Eng. Inf. tab. 10 fig. 4. *Sulz. Inf. tab.* 20. fig. 133.

**Bombylans* Downy, black: *abdomen* rufous at the end.

Inhabits *Europe*. *Donovan's. Eng.* v. tab. 151. fig. 4.

Harris's. Eng. Inf. tab. 10. fig. 3.

**Myiacea.* Downy, black: *thorax* and tip of the *abdomen* yellow.

Inhabits *Europe*. *Harris Engl. Inf. tab.* 10. fig. 1.

Degeer. Inf. 6. tab. 8. fig. 2. *Schaeff. Icon. tab.* 10. fig. 9.

Musitans. Downy: *thorax* fulvous: *abdomen* greenish.

Inhabits *Kiel*; size of the last.

Mouth black: *front* yellow: *antennae* ferruginous: *abdomen* ovate greenish with obsolete brown bands; *wings* white with a brown costal spot in the middle, the base a little reddish: *legs* black, hind-thighs long incurved.

Lapponum. Downy, black: *scutellum* ferruginous; *abdomen* with 3 whitish interrupted belts.

Inhabits *Lapland*: *Degeer. Inf.* 6. tab. 8. fig. 14.

Inflata. Head and *scutellum* yellow: first segment of the *abdomen* pellucid and yellow.

Inhabits *Italy*; half the size of *M. pellucens*.

Antennae yellow: *eyes* brown: *thorax* with a yellow lateral margin: *abdomen* black with ferruginous down, the first segment yellow with a black line: *wings* subtestaceous at the base with a black spot in the middle and a lesser one towards the tip: *legs* black.

Apiaria. Downy: *thorax* yellow before: *abdomen* tipped with white; *wings* ferruginous at the base.

Inhabits

Inhabits *Italy*; resembles *M. mystacea*.

Front black: *thorax* hairy, black behind: *abdomen* black.

Esfuriens. Body naked: *abdomen* ferruginous pellucid.

Inhabits *American Islands*.

Upper-Lip projecting emarginate: *thorax* black: *scutel* subferruginous: *wings* white, the thicker margin black at the base: *legs* black with ferruginous shanks.

**Intricata.* Downy, yellowish; *abdomen* black, the tip and joints of the legs white.

Inhabits *Europe*. *Degeer. Inf.* 6. tab. 8. fig. 10.

Crassa. Naked, black; hind-thighs rufous and 1-toothed.

Inhabits *Tranquebar*.

Head dusky: scale of the *poisers* black tip with white: each segment of the *abdomen* with an impressed ring: *wings* white with a black base and transverse dot in the middle: *thighs* and *shanks* rufous tip with black. *tarsi* black.

Bombyliformis. Downy, yellowish: *shanks* white at the base.

Inhabits *Germany*; size of *M. intricata*.

Facula. Naked: *thorax* with yellow lines: *abdomen* pellucid yellow with black belts.

Inhabits *America Islands*; small.

Lip projecting emarginate; *front* yellow with a black line in the middle: *thorax* black bronze with a yellow lateral line and 2 dots before the wings: *abdomen* with 3 black belts and dorsal line: *wings* varied with white and brown.

Obesa. Naked: wings with 2 brown spots: body bronze.

Inhabits *America*. *Degeer. Inf.* 6. tab. 29. fig. 2. ?

Abdomen short obtuse: *legs* black.

Plumosa. Black; *abdomen* rufous behind: *thorax* hairy black.

Inhabits *Europe*. *Mus. Lesk.* p. 123. n. 52.

Probably the same, or a variety of *M. bombylans*.

††. *Antennæ* naked.

Pinguis. Body naked: *thorax* black spotted with white: *abdomen* testaceous with a white band.

Inhabits *America*.

Head black: *scutel* testaceous: *tail* black-brown; *wings* brown.

**Pendula.* Downy: *thorax* black with 4 yellow lines: *abdomen* yellow with transverse black lines connected by a longitudinal stripe.

Inhabits

Inhabits Europe. *Donovan. Eug. Inf. i. tab. 31. fig. 2.*

Reaumi. Inf. 3. tab. 31. fig. 9,—11. Friesch, Inf. 4. tab. 13.

The larva is aquatic and suspended by a filiform respiratory tube.

Natans. Downy; thorax with 4 lines: first segment of the abdomen ferruginous with an abbreviated white streak.

Inhabits Italy; less than the last.

Head silvery downy with a black line on the crown: second and remaining segments of the abdomen black with a white streak.

Verficolora-sa. Downy; thorax with 2 faint whitish dorsal lines: abdomen rufous, the back black varied with cinereous.

Inhabits Germany; resembles *M. pendula*.

Head yellow: antennae ferruginous: thorax brown with ferruginous lines: abdomen above rufous, the first segment with cinereous lunules at the base, second with 3 cinereous dots, the last rufous with 3 black dots: wings dusky: legs rufous with black thighs.

**Floreat* Downy; thorax with black bands: abdomen yellow with a black dorsal line, the segments edged with black.

Inhabits Europe. *Albin. Inf. tab. 17. fig. 1.*

Subcoleoptrata. Downy; thorax black: wings thicker, cinereous with 2 brown flexuous fillets.

Inhabits Sweden; larger than *M. hemiptera*.

Thorax black substriate: abdomen sometimes rufous sometimes black: wings large.

**Hemiptera* Downy: thorax with a ferruginous border: wings thicker cinereous varied with yellowish-brown.

Inhabits England. *Schaeff. Icon. tab. 71. fig. 6.*

Thorax with fulvous hairs before and under the wings: scutellum ferruginous: abdomen ferruginous with a black back.

Crassipennis Downy: thorax yellowish: wings thicker, the disk white with a distant black dot.

Inhabits Paris; resembles the last.

Thorax in some yellowish, in others grey with brown lines: scutellum the same colour edged with brown: abdomen ferruginous with a brown back: wings nearly coriaceous.

Affinis. Thorax fulvous at the sides: abdomen black.

Inhabits France: size of *M. crassipennis*.

Mouth whitish : crown and antennae black : thorax black : scutell piceous : wings white.

**Nemorum.* Downy ; abdomen black with 3 white belts, the first segment yellow at the sides : legs black with white joints.

Inhabits Europe. Degeer. Inf. 6. tab. 8. fig. 12.

Albin. tab. 3. fig. 3. L. Merian. Europ. tab. 2.

Cryptarum. Downy ; abdomen brown with 3 white belts, the first segments yellow at the sides : scutell and legs testaceous.

Inhabits Germany ; resembles the last.

Head grey with a black line : antennae testaceous : thorax dusky : thighs black at the base : wings white with a large brown costal spot.

Agrorum. Downy, black : scutell and sides of the abdomen ferruginous.

Inhabits American Islands : size of M. arbutorum.

Front downy black : abdomen ferruginous with a broad black stripe : wings hyaline : legs black with white joints.

Arvorum. Downy ; thorax yellowish with 4 black lines : abdomen black with 3 yellow belts.

Inhabits China ; resembles M. nemorum.

Scutell slightly bronzed with a yellowish margin : legs pale, the hind-ones darker : wings white.

Hortorum. Downy : thorax brown with 2 pale bands : abdomen with 3 white bands : hind-legs thick and ferruginous.

Inhabits American Islands. Degeer. Inf. 1. tab. 29. fig. 1.

Head yellow : first segment of the abdomen ferruginous at the sides, the others edged with white : wings with a large black spot : legs ferruginous.

Arctusorum. Downy : abdomen black, the first segment and sides of the second ferruginous.

Inhabits Europe.

Pratorum. Downy, black : thorax with 2 yellow bands and 2 dots : abdomen with 3 yellow spots each side.

Inhabits American Islands.

Antennae ferruginous : front yellow : crown black : wings white with a ferruginous thicker margin : legs ferruginous, hind-thighs 1-toothed.

Saltuum.

Saltuum. Naked black : thorax spotted with yellow : segments of the abdomen edged with yellow : hind-thighs toothed. Inhabits *Italy*.

Antennae ferruginous : *head* yellow with a black line in the middle : *abdomen* with 6 yellow belts, every other one a little interrupted : *legs* yellow, hind-thighs 1-toothed.

**Frutetorum.* Downy with 2 yellow lines on the thorax : abdomen ferruginous with an interrupted black dorsal line.

Inhabits *England* : a little less than *M. pendula*.

Antennae ferruginous with a brown hair : *thorax* black with ferruginous down, and 2 yellowish lines on the back ; *abdomen* ovate, with a black crescent at the base and tip connected by a black line : the second segment black with yellow sides and 3 ferruginous dots on the back, third ferruginous with a black dorsal dot : *legs* ferruginous, the thighs black at the base.

Ericetorum Slightly downy : thorax bronzed with yellow sides : abdomen fulvous with 3 black streaks.

Inhabits *Africa*. Museum of Sir J. J. Banks.

Size of *M. nemorum*. *Legs* yellow.

Murorum. Downy ; abdomen black, the segments edged with white, the first ferruginous at the sides : hind-thighs clavate.

Inhabits *Barbary* ; size of *M. tenax*.

Head yellowish : *antennae* black : *thorax* black covered with fulvous down, thighs black.

**Tenax.* Downy ; thorax grey : abdomen brown ; hind-shanks compressed gibbous

Albin. Inf. tab. 63. fig. 1. f. g. Goed. Inf. 1. tab. 2.

Reaum. 4. tab. 20. fig. 7. Savann. Bib. tab. 38. f. 9.

Found in necessaries and among putrid substances.

Larva covered with an extremely tough skin.

Setosa. Downy, black : hair of the antennæ long and clavate.

Inhabits *Barbary* : size of the last.

Head brown, front covered with grey down : *antennae* long black with a longer incurved clavate hair ; *abdomen* cylindrical black, the base covered with cinereous hair : *legs* black, tarsi rufous beneath.

Segetum. Downy, pale cinereous : abdomen black with 2 yellowish spots at the base.

Inhabits *Barbary* ; size of *M. Tenax*.

Head cinereous downy: *legs* black, hind-thighs 1-toothed, *shanks* incurved compressed.

Trilineata. Downy: thorax pale with black lines: abdomen black with an interrupted ferruginous band at the base.

Inhabits *New Zealand*. Museum of Sir *Jos. Banks*.

Head yellow, margin of the lip antennæ and crown black: *legs* ferruginous; 4 fore-thighs black at the base, hind-ones 1-toothed black; *hind-shanks* incurved ferruginous and black at the base.

4-lineata. Thorax yellowish with 4 bronzed lines: abdomen ferruginous, the tip black with a white streak.

Inhabits *Tranquebar*.

Front yellow: antennæ ferruginous: first and second segment of the abdomen edged with black, third black with a white streak: wings white immaculate: legs ferruginous with black shanks.

5-friata. Thorax bronzed with 5 white lines: abdomen ferruginous, the tip black with a white streak.

Inhabits *East India*: resembles the last.

Eyes large testaceous with brown specks and a black-bronzed raised dot on the crown; mouth villous white with a black proboscis: scutell golden; two first segments of the abdomen with a black and white spot in the middle, the last black with a white streak: beneath white with a ferruginous margin and black tail: wings white.

5-lineata. Downy; thorax with 5 alternate white and black lines: abdomen black, the segments white at the base.

Inhabits *Africa*. In the museum of Sir *Jos. Banks*.

Front cinereous with a black line each side: last segment of the abdomen immaculate: beneath with a broad white base: 4 fore-thighs black, shanks and tarsi of the hind-ones white at the base,

Fulviformis. Downy, thorax yellow with a black band; abdomen black with a yellow base and fulvous tip.

Inhabits *France*; size of *M. mystacea*.

Antennæ black with a strong rufous hair: head black with a yellow hairy crown: wings white with a black streak in the middle.

**Oestracea.* Black with a whitish scutell: abdomen yellowish at the tip.

Inhabits *Europe*. *Schaeff. Icon, tab. 10. fig. 6.*

- Astiliformis*. Thorax downy yellowish : abdomen black, the 2 first segments yellowish.
Inhabits *Germany*: size of *M. lucorum*.
Antennae clavate ferruginous with a black hair: *lip* yellow with 3 black dots: *legs* black with yellowish shanks; *hind-thighs* long, incurved.
- **Lucorum*. Downy; thorax grey: abdomen black: the first segment entirely white.
Inhabits *Europe*., in gardens and fields.
- Fallax*. Downy, brown with a yellow front: tip of the abdomen covered with fulvous down: scale of the poisers white.
Inhabits *Europe*, on flowers.
- Sylvarum*. Downy, black: last segment of the abdomen covered with yellow down.
Inhabits *Europe*, on flowers.
- Nigrana*. Naked, black, with blue wings.
Inhabits *Jamaica*; large.
Antennae long: *wings* with a whitish thinner margin.
- Clavipes*. Downy, cinereous; thorax with a black band; tip of the abdomen fulvous: hind-thighs curved.
Inhabits *Italy*; large, long.
Front downy: *antennae* black: *abdomen* of the female black, the segments edged with white.
- Equestris*. Downy, cinereous: thorax with a black band: abdomen fulvous: hind-thighs and shanks toothed at the tip.
Inhabits *Italy*: resembles the last.
Abdomen fulvous, the first segment a little grey: *shanks* straight emarginate within before the tip.
- Flavicans*. Downy, yellowish immaculate with black legs.
Inhabits *Italy*; less than the last.
Front with cinereous down: *antennae* black: *hind-thighs* 1-toothed before the tip, shanks unarmed,
- Cinerea*. Downy, cinereous with a black tail: thorax with a black band.
Inhabits *Italy*; less than the former ones.
Legs black, shanks white at the base: *wings* immaculate.

Bicinctata. Black with 2 yellow belts on the abdomen: sides of the thorax dotted with yellow.

Inhabits *Europe*. *Deger.* *Inf.* 6. *tab.* 7. *fig.* 16.

**Arcuata*. Black with 4 curved belts on the abdomen: thorax spotted with yellow at the sides.

Inhabits *Europe*. *Deger.* *Inf.* 6. *tab.* 7. *fig.* 14.

Cingulata. Downy: abdomen black, the first segment white at the base, the rest with white dots.

Inhabits *New Zealand*. *Museum of Sir Jos. Banks.*

Head ferruginous with 2 black bands on the crown: *thorax* black covered with ferruginous down: *hind thighs* thick with incurved flanks.

Zonalis. Downy, black with cinereous tail front and fore-part of the thorax: first segment of the abdomen whitish.

Inhabits *China*.

Head cinereous with a black crown: *thorax* cinereous before and black behind: first segment of the *abdomen* whitish tipped with black: *wings* white with a brown base and spot in the middle: *legs* black, the hind-ones compressed.

Errans. Downy, thorax cinereous with a black band and scutellum: abdomen black, the sides yellow at the base.

Inhabits *China*.

Head downy white, the crown a little blackish: *wings* white with a darker base: *legs* black with white joints, hind-thighs testaceous at the base.

Mutabilis. Downy: thorax immaculate: abdomen black with a changeable grey gloss.

Inhabits *Meadows of Europe*.

**Devis*. Downy with a blueish thorax: abdomen dull violet.

Inhabits *Europe*.

Mouth silvery: *wings* immaculate: *legs* black: base of the *hind-thighs* and all the *claws* yellow.

**Signis*. Naked: thorax bronzed: abdomen ferruginous tipped with black: flanks white.

Inhabits *Europe*, on flowers.

Hind-thighs serrate: *abdomen* sometimes black with rufous spots.

Volucula. Downy, black: abdomen cylindrical blue: antennae and legs rufous: hind-thighs thick.

Inhabits

Inhabits *France*; larger than the last.

Head black with a cinereous gloss : *antennae* compressed clavate : *wings* dusky.

Pigra. Nearly naked and black : abdomen ferruginous with a black tail : hind-thighs clavate.

Inhabits *Germany*; size of *M. fagnis*.

Thorax black with a bronzed gloss : *shanks* incurved.

Lunata. Downy; thorax cinereous : abdomen with white crescents, the base rufous and tip black : hind-thighs thick.

Inhabits *Barbary*; size of *M. femorata*.

Antennae ferruginous : head cinereous, crown brown : legs sub-rufous,

**Femorata*. Downy : thorax slightly bronzed ; hind-thighs clavate.

Inhabits Flowers of *Europe*.

Spinipes. Downy : abdomen black with white lines, the first segment rufous : hind-thighs toothed.

Inhabits *France*; size of *M. femorata*.

Head cinereous downy : thorax with 4 white lines, the lateral ones abbreviated : legs ferruginous with black thighs.

Annulata. Downy : abdomen black, the segments edged with white; hind-thighs clavate and toothed.

Inhabits *France* : small.

Head downy cinereous with a raised black dot on the crown : thorax with faint white lines : abdomen a little spotted with rufous at the sides.

Dentipes. Naked ; thorax black with 4 white lines : abdomen clavate : hind-thighs thickened and toothed.

Inhabits *Cayenne*; size of *M. femorata*.

Head black with a white villous lip : scutellum black edged with white : abdomen long, the first segment flat tapering and black with 2 oblong hyaline dorsal spots, second cylindrical black with a pale base, third ovate thicker purplish-black : legs brown.

**Conopsea*. Naked, black with lateral lines on the thorax , abdomen with 3 yellow bands.

Inhabits *Europe*. *Reaum. Inf.* 4. tab. 33. fig. 12. 13.

Wings white with a black thicker margin.

- * *Ichneumo-* Cylindrical black: front hind-part of the thorax and legs
nea. ferruginous.

Inhabits *Europe*, on flowers.

- Bicolor.* Black; abdomen rufous with a black base and tip.

Inhabits *Barbary*; resembles *M. ichneumonea*.

Lip yellow with a black line in the middle: *thorax* black with 2 white lines: *scutel* black with a pale tip: *legs* yellowish, thighs black at the base: *wings* hyaline.

- * *Sphægea.* Black with rufous legs.

Inhabits *England*. In the museum of Sir *Jos. Banks*.

Antennæ longer than the head, black: *wings* dusky.

- Clavata.* Naked, black: abdomen clavate with 3 yellow spots each side

Inhabits *American Islands*.

Head yellow with a black line in the middle: *antennæ* black with a testaceous club: *scutel* with a yellow streak at the base: *abdomen* with a long petiole, subferruginous in the middle: *legs* testaceous with black thighs.

- Cylindrica.* Naked, black: wings blackish, the thinner margin spotted with white.

Inhabits *American Islands*.

Head black with a yellow front: *abdomen* long cylindrical.

- Vesiculosa.* Naked, black: abdomen clavate, the tip testaceous and vesicular.

Inhabits *Italy*; size of *M. cylindrica*.

Tip of the *abdomen* with 2 black dorsal spots: *wings* hyaline: *legs* long, thighs testaceous.

- Elongata.* Naked; thorax bronzed: abdomen clavate black with 2 yellow bands.

Inhabits *Denmark*, on flowers.

Wings white with a brown marginal dot: *legs* thin yellow.

- Podagrica.* Naked; thorax bronzed: abdomen with 2 yellow bands, hind-thighs clavate.

Inhabits *Denmark*; half the size of the former.

Abdomen clavate: *wings* white spotted with brown; *legs* yellow, hind-thighs black.

- Crabroni-* Downy; thorax variegated: abdomen yellow, the 2 first
formis. segments tipped with brown.

Inhabits

Inhabits *Madeira*. In the museum of Sir *Jos. Banks*.

Head yellow: *antennae* ferruginous: *thorax* yellow before with a brown dorsal line and lateral spot, behind brown edged with yellow: *scutel* ferruginous: 2 first segments of the *abdomen* yellow at the base with a brown line in the middle and tipped with brown, third yellow with a brown line in the middle, fourth yellow immaculate: *legs* yellow: thighs ferruginous, the hind-ones 1-toothed.

Diopthalma. Naked; thorax spotted: abdomen with 6 yellow belts: hind-thighs toothed.

Inhabits woods of *Europe*.

Eyes glaucous dotted with brown: *mouth* yellow with a black line: *legs* ferruginous, hind-thighs sharply toothed.

Apiformis. Downy; thorax black with white dots and lines: abdomen yellow with black belts.

Inhabits *Germany*; a little less than the last,

Mouth covered with gold down, with a black line: *antennae* ferruginous: *thorax* with 2 white dots at the tip, 2 opposite transverse lines, 2 longitudinal ones and a transverse one in the middle of the base: *fore-legs* black with yellow joints; hind-ones rufous, the thighs black at the base.

• *Vespiiformis*. Naked; thorax black spotted with yellow: abdomen with yellow belts uniting at the sides.

Inhabits *Europe*. *Degeer. Inf. 6. tab. 7. fig. 13.*

Thorax with a lateral interrupted yellow line: *scutel* black edged with yellow: bands on the *abdomen* uniting in pairs.

• *Festiva*. Naked; thorax black with yellow lateral lines: abdomen with 4 interrupted yellow belts.

Inhabits *Europe*, in gardens.

Lacta. Naked; thorax black with yellow lateral lines: abdomen with 4 yellow belts, the first interrupted.

Inhabits *Kiel*; resembles the last.

Head yellow with a ferruginous line on the front: *antennae* ferruginous: *scutel* yellow: *abdomen* beneath yellow with 4 black bands: *legs* yellow.

• *Ruficornis*. Downy; thorax brown with grey lines: abdomen bronzed: wings with 2 brown spots.

Inhabits *Denmark*, on flowers.

Scutel glaucous: *legs* testaceous.

- Semirufa*. Black; abdomen ovate with a broad ferruginous tip.
Inhabits *Germany*; size of *M. flavicornis*.
Head yellow: *antennae* brown with a ferruginous club: *thorax* villous brown: *wings* white with testaceous veins: *legs* black, shanks and tarsi testaceous tip with black.
- Calcarata*. Downy; thorax brown: abdomen black with whitish lateral spots: hind-thighs toothed.
Inhabits *Africa*; size of *M. flavicornis*.
Head cinereous; *antennae* black: *legs* black.
- Flavicornis*. Downy; obscure bronze: antennæ and shanks yellowish.
Inhabits *Germany*. *Wings* immaculate.
- Ænea*. Downy; black-bronze: joints of the legs white.
Inhabits *Germany*; size of *M. ruficornis*.
Head covered with cinereous down: *antennae* brown: *eyes* testaceous dotted with brown: *wings* immaculate.
- Funesta*. Thorax downy, obscure bronze: abdomen black with 3 pale cinereous bands.
Inhabits *Italy*; larger than *M. sepulchralis*.
Legs black; hind-thighs thickened.
- Melantholica*. Thorax bronzed with white lines: abdomen black with cinereous streaks.
Inhabits *Italy*; thinner than the last.
Head black, front cinereous downy: *thorax* with 4 white lines: *legs* black, hind-thighs 1-toothed: *wings* immaculate.
- Sepulchralis*. Downy, blackish: abdomen shining-black.
Inhabits *Sweden*. *Eyes* spotted.
- Tristis*. Nearly naked; thorax black with 5 paler lines: abdomen bronzed.
Inhabits *Germany*; on flowers.
Antennae brown, ferruginous at the tip: *head* covered with whitish down: *eyes* spotted; *wings* immaculate.
- Lugubris*. Black immaculate: wings white with a brown spot.
Inhabits *Denmark*; less than the last.
- Cæmeteriorum*. Black-bronze; abdomen depressed shining-black: wings blackish.
Inhabits *Europe*; larger than *M. metallina*.
Antennae with a yellow club: *wings* blackish.

- Metallina*. Shining black-bronze: antennæ black.
Inhabits *Germany*; less than *M. lugubris*.
Abdomen flat on the back: wings ferruginous at the base.
- Subsultans*. Glossy black: wings white immaculate.
Inhabits *Germany*; half the size of the last.
Powers yellow: legs black.
- Glaucia*. Slightly downy, black: abdomen with a pellucid base and
2 whitish interrupted belts.
Inhabits *Europe*.
Mouth whitish: antennæ and crown black: thorax immaculate:
scutell. glaucous at the tip: legs black, the 4 fore-ones with
ferruginous joints.
- Neobluca*. Slightly downy, black: abdomen with 2 pellucid spots on
the first segment
Inhabits *Europe*, in gardens.
- * *Globosa*. Slightly downy; thorax ferruginous on the fore-part: ab-
domen subglobular, pale tip with black.
Inhabits *England*; small.
Mouth white: front ferruginous with a black line: thorax fer-
ruginous before and black behind: legs black: wings white.
- * *Ribesii*. Nearly naked: thorax immaculate: abdomen with 4 yellow
belts, the first interrupted.
Degeer. Inf. 6. tab. 6. fig. 8. Goed. Inf. 1. tab. 41.
Found generally among the *Aphides Ribis*.
- Baskiate*. Downy; thorax bronzed: abdomen black with 2 yellow
belts, the first interrupted.
Inhabits *Europe*; size of the last.
Mouth yellow: antennæ black: scutell. yellow: legs yellow, thighs
black at the base.
- * *Pyrisii*. Nearly naked, black: thorax immaculate: abdomen with
3 pair of white recurved lunules.
Reaumur. Inf. 3. tab. 31. fig. 9. Albin. Inf. tab. 66.
Degeer. Inf. 6. tab. 6. fig. 8. Merian. Europ. tab. 89.
Found among the *Aphides Pyri*.
- Thymasii*. Downy; thorax slightly bronzed: abdomen black with 3
whitish bands, the second interrupted.
Inhabits *Germany*, on clover.

Front yellow: *antennae* black: *scutel* yellow: *wings* immaculate:
legs yellow, thighs black at the base.

Transfuga. Downy; abdomen black with 3 pair of whitish lunules.

Inhabits *Europe*.

Antennae black: *head* yellowish with a black proboscis: *thorax* blueish-black with yellowish sides and scutel: *legs* testaceous, thighs black.

Salviae. Naked, yellow; back of the thorax and edges of the abdominal segments black.

Inhabits *Sierra Leona*.

Mouth yellow: *antennae* fulvous: *front* black between the eyes,

Corollae. Downy; thorax bronzed with a yellowish lateral line and scutel: abdomen depressed black with 6 yellow spots and tip.

Inhabits *Kiel*.

Head yellow naked: *antennae* brown: *abdomen* beneath yellow with 3 black streaks: *legs* yellow.

Umbellatarum. Nearly naked: thorax blueish: abdomen black with 3 white spots at the sides and 2 streaks.

Inhabits *Germany*.

Head yellow with a black line down the middle: *antennae* black: *scutel* yellow: *wings* white: *fore-legs* testaceous, the thighs black at the base: *hind-ones* black.

Abdominalis. Black; abdomen rufous with a black tail: *antennae* long, with a snowy hair.

Inhabits *France*.

First segment of the *abdomen* with a black spot: *legs* simple black.

Rosarum. Naked; thorax black-bronze: abdomen black with 2 yellow spots.

Inhabits *Germany*, on flowers.

Head black: *abdomen* with sometimes 2 smaller spots behind: *legs* black, the 4 fore-shanks yellow: *wings* white with a faint brown spot at the margin.

**Mellina*. Naked; thorax slightly bronzed immaculate: abdomen with 8 yellowish spots.

Inhabits *Europe*, among various species of *Aphis*,

- *Mensastri*. Naked, black: thorax spotted: abdomen with 4 yellow belts: scutell yellow.
Inhabits *Europe*, among various kinds of *Aphis*.
- Scalaris*. Nearly naked, shining-bronze: abdomen with 6 fulvous spots.
Inhabits *Kiel*; resembles *M. mellina*.
Abdomen beneath yellow with a bronzed tail: legs yellow.
- *Scripta*. Naked; thorax with yellow lines: abdomen linear, with yellow bands.
Inhabits *Europe*. *Reaum. Inf. 4. tab. 10. fig. 2, 3.*
- OcyMi*. Shining black-bronze: abdomen rufous with a bronzed base and tip.
Inhabits *Germany*.
Scutell sometimes blue: abdomen flat rufous, the first segment and 2 last black bronze and sometimes spotted with rufous: legs rufous or black.
- Dispar*. Naked; thorax black with a yellow lateral line: abdomen variegated with yellow and black.
Inhabits *South America*, on the *Parthenium hysterophorum*.
Male. Head whitish: antennae yellow: scutell edged with yellow: abdomen elongated subserruginous with a black base and band: legs yellow, hind-thighs with a black band.
Female. Head yellow with a black line between the eyes: antennae testaceous: scutell edged with yellow: abdomen black with 4 pale yellow spots each side: wings hyaline: legs yellow; hind-thighs with a black band, the shanks black.
- NeSarea*. Downy; abdomen yellow, the margins of the segments black with a yellow band.
Inhabits *Denmark*, on flowers.
Head cinereous: antennae yellowish: thorax bronzed, with 4 whitish lines: scutell yellowish: legs yellow: wings white.
- *Albimanus*. Downy; thorax bronzed: abdomen elongated black with 4 white dots.
Inhabits *England*. In the museum of Sir *Jos. Banks*.
Mouth bronzed with a raised line in the middle: legs brown, fore-shanks white.
2. Abdomen with 6 white dots: legs yellow.
- Dimidiata*. Naked, deep black: wings black at the base.
Inhabits *South American Islands*; small.
Thorax brown: wings white from the base to the middle.

- **Pipiens*. Naked: abdomen spotted with white at the sides: hind-thighs clavate and toothed.
Inhabits *Europe*. *Dageer. Inf.* 6: tab. 7. fig. 8.
- Gibba*. Variegated with black and yellow: head minute and orbicular.
Inhabits *Barbary*. *Vall.* 3. tab. 10. fig. 21.
Thorax elevated gibbous, black with a yellow lateral margin and 2 spots on the fore-part: scutell yellow: abdomen black, the segments edged with yellow and interrupted in the middle, in each segment is a yellow dot each side near the yellow margin: legs yellow.
- Gibbosa*. Downy, brown: abdomen subglobular black with 4 white belts: scales of the poisers inflated.
Inhabits *Europe*. *Schaeffer. Icon.* tab. 200. fig. 1.
Head small round: thorax gibbous: wings large white: flanks ferruginous.
- Orbicula*. Naked, black: abdomen tipt with white.
Inhabits *Kie*; small.
Head small round: thorax naked: scales of the poisers large white inflated: wings white immaculate: legs pale.
- Erratica*. Nearly naked: thorax immaculate; scutell ferruginous: abdomen with 3 whitish belts.
Inhabits *Europe*.
- Grossipes*. Glabrous, black with pale eyes: legs piceous, the hind-ones very large.
Inhabits *Europe*; small.
Wings hyaline incumbent.
- Salatrix*. Naked, yellow: abdomen brown above: thorax with 3 brown lines.
Inhabits *Europe*, and skips like a Cicada. *Fn. Succ.* 2310.
- Ochreacea*. Front white: crown and thorax yellow: abdomen ochre-yellow: legs black: hind-thighs thick: wings white with a brown band.
Inhabits *Europe*. *Mus. Lesh.* p. 128. n. 60.
- Fulva*. Thorax fulvous: abdomen black with fulvous down, beneath ferruginous each side; thighs black; flanks yellow, the hind-ones black towards the tip; wings white with a black band.
Inhabits *Europe*. *Mus. Lesh.* p. 128. n. 61.

Rubiginosa Black; scutellum yellow; wings with white veins: 2 first segments of the abdomen with a ferruginous band at the base; thighs ferruginous, the hind-ones thick and black towards the tip; thighs brown, the hind-ones curved.

Inhabits Europe. *Mus. Lesk. p. 128. n. 62.*

Leucocephala. Head white; eyes coppery dotted with brown; thorax cinereous with 4 black bands; abdomen blue-black.

Inhabits Europe. *Mus. Lesk. p. 129. n. 63.*

Valga. Oblong, black with rufous legs; hind-thighs long and thick with black curved thighs.

Inhabits Europe. *Mus. Lesk. p. 129. n. 65.*

Melano-chrysa. Black; second and third segments of the abdomen fulvous.

Inhabits Europe. *Mus. Lesk. p. 129. n. 66.*

Enea. Thorax slightly bronzed: abdomen black with 2 cinereous bands; legs yellow, thighs black at the base.

Inhabits Europe. *Mus. Lesk. p. 129. n. 72.*

Interrupta. Thorax slightly bronzed; abdomen black with a yellow band on the 2 first segments, the first interrupted: legs yellow, the ends of the hind-ones brown.

Inhabits Europe. *Mus. Lesk. p. 129. n. 73.*

Navia. Black: thorax spotted: abdomen with 4 interrupted bands: wings with a brown marginal spot.

Inhabits Europe. *Mus. Lesk. p. 129. n. 74.*

Glyptozoni-a. Thorax slightly bronzed with 2 obsolete bands: scutellum pale: abdomen with 4 interrupted yellow bands and tip.

Inhabits Europe. *Mus. Lesk. p. 129. n. 75.*

Luteola. Black: second segment of the abdomen yellow each side.

Inhabits Europe. *Mus. Lesk. p. 129. n. 77.*

Lineolata. Black-bronze: crown with impressed transverse lines each side: abdomen depressed.

Inhabits Europe. *Mus. Lesk. p. 129. n. 78.*

Prasina. Thorax black: abdomen greenish-black, a little downy and depressed.

Inhabits Europe. *Mus. Lesk. p. 129. n. 79.*

- Pufilla.* Minute, black with a white front : abdomen depressed ; wings white : legs rusty-brown.
Inhabits Europe. *Mus. Lesk. p. 129. n. 80.*
- Atrepos.* Slightly downy : thorax whitish with 3 black spots ; abdomen black with interrupted yellow bands and margins of the segments.
Inhabits Austria. *Schranck. Aufz. p. 446. n. 904.*
- Alternata.* Thorax green-black ; scutell yellow : abdomen black with yellow bands alternately larger, the first interrupted.
Inhabits Austria. *Schranck. Inf. Aufz. p. 448. n. 908.*
Abdomen with 7 bands : legs yellow.
- Murina.* Grey : thorax with 3 black lines : wings spotted with brown.
Inhabits Austria. *Schranck. Aufz. p. 450. n. 912.*
- Elephantopus.* Black ; abdomen ferruginous at the base : hind-thighs thick.
Inhabits Austria. *Schranck. Inf. Aufz. p. 450. n. 913.*
- Obscure.* Black : base of the flanks and antennæ fulvous-brown.
Inhabits Austria. *Schranck. Aufz. p. 452. n. 916.*
- Dixiana.* Naked, black : abdomen with 2 yellow belts ; 4 fore-legs yellow.
Inhabits Austria. *Schranck. Aufz. p. 452. n. 917.*
- Larvata.* Silvery-testaceous : head inflated snowy : legs annulate with black : wings brown with hyaline spots.
Inhabits Austria. *Schranck. Aufz. p. 452. n. 918.*
- Monoculus.* Eyes large, very approximate : thorax brown : abdomen pale gold.
Inhabits South America. *Act. Stockh. 1787, 4. n. 2. 46.*
- Depressa.* Abdomen roundish and depressed with 3 yellow bands, the first and third interrupted.
Inhabits Kamtschatka. *Act. Stockh. 1787, 4. n. 2. 47.*
- Americana.* Thorax pale with a black band : abdomen reddish on the back and tip with black.
Inhabits America. *Act. Stockh. 1787, 4. n. 2. 48.*
Body very large and covered with thick down.

B. Feelers 0.

- a. Sucker with a single recurved bristle without sheath; antennæ inserted at the base of the proboscis. *Nemotilus*.

• *Uliginosa*. Black; abdomen snowy tipped with black.

Inhabits Germany: *Geoffr. Inf. 2. tab. 18. fig. 4.*

Proboscis cylindrical, grooved on the back for the reception of the bristle: *front* with a white dot: *pistons* white: *legs* pale.

• *Marginalis*. Black; margin of the abdomen and shanks whitish.

sa. Inhabits England and France.

Head black: *antennæ* united at the base: *thorax* black-bronze; *abdomen* depressed, with few faint whitish spots on the back: *thighs* black: *wings* white.

Filifosa. Black with cinereous hairs: segments of the abdomen with a lateral whitish margin.

Inhabits Hungary; large. *Pistons* yellow.

Punctata. Black with 3 lines of yellowish dots on the abdomen.

Inhabits Barbary; larger than *M. uliginosa*.

Legs yellowish, shanks and base of the thighs black.

Minor. Black: abdomen snowy with a black spot at the base.

Inhabits Traquebar. *Nemotelus pusillus*. *Fab. iv. 271.*

Head black with a whitish mouth: *scutellum* black edged with white: *abdomen* depressed: *wings* white: *legs* black with white joints.

Tarda. Smooth black; thorax slightly bronzed: legs subtestaceous.

Inhabits Europe. *Fn. Suec. 1786.*

Wings incumbent, which renders it motion very slow.

Formosa. Thorax green: abdomen blue, dilated.

Inhabits Austria. *Schranck. Inf. Aust. p. 443. n. 899.*

Body blueish-black: joints of the *legs* fuscous.

- b. Sucker with a single bristle, without sheath: antennæ approximate, with an ovate compressed club. *Mydas*.

Filata. Black; second segment of the abdomen pellucid at the sides: hind-thighs ferrate.

Inhabits South America. *Drury. Inf. 1. tab. 44. fig. 1.*

Wings dull blue: hind-thighs ferrate beneath.

Leucopus.

Leucopus. Abdomen black, the edges of the segments pellucid: ends of the legs white.

Inhabits *South America*. *Degeer. Ins. 6. tab. 29 fig. 8.*

Size of a common Wasp. *Sucker* short, the bristle placed in a groove on the back: *antennae* twice as long as the head: first segment of the *abdomen* beneath red.

Bilineata. Black with 2 white lines on the thorax: *thanks* ferruginous at the base.

Inhabits *New Zealand*. *Museum of Sir Jos. Banks.*

Thorax hairy: *abdomen* subconic elongated: *wings* white with a black outer margin.

Nectarivora. Black; *antennae* cylindrical perfoliate: *wings* white.

Found on the flowers of fruit-trees, where it sits the whole day, extracting nectar. *Body* small oblong.

101. TABANUS. *Mouth* with a straight exerted membranaceous proboscis, terminated by 3 equal lips: *sucker* projecting exerted and placed in a groove on the back of the proboscis, with a single-valved sheath and 5 bristles: *feelers* 2, equal, clavate and ending in a point: *antennae* short approximate cylindrical, with an elevated tooth at the base.

These insects live by sucking out the blood of various animals, of which they are very greedy: the *larvae* are found under ground, in moist meadows: the colour of the eyes vanishes when the insect is dead, but may be restored by placing it in warm water.

Rosstratus. Eyes brownish: *sucker* as long as the body.

Inhabits the *Cape of good hope*.

Segments of the *abdomen* cinereous downy at the tip.

Barbatus. Eyes black: *sucker* half as long as the body.

Inhabits the *Cape of good hope*. *Mus. Lud. Urb. 422.*

Hastellatus Eyes brownish: *abdomen* black, with fulvous down at the margin: *sucker* half as long as the body.

Inhabits

Inhabits *Spain*. *T. mauritanus*. *Linn. Syst.* ?
Thorax downy brown : *abdomen* shining black.

Proboscideus.

Eyes brownish : wings spotted with brown : sucker half as long as the body.

Inhabits *Barbary*; a little less than the last.

Sucker blackish with a ferruginous base : *antennae* cinereous, the last joint ferruginous : *head* and *thorax* downy cinereous : *abdomen* sometimes ferruginous, sometimes with the first segment ferruginous, the rest black edged with white : *legs* ferruginous.

* *Bovinus*. Eyes greenish : back of the abdomen with white triangular longitudinal spots.

Inhabits *Europe*, and is extremely troublesome to cattle.

Degeer. Inf. 6. tab. 12. fig. 10, 11. Reaum. 4. tab. 17. fig. 8.

Harris's. Eng. Inf. tab. 7. fig. 2. Schaeff. Elm. tab. 122.

Lineatus. Eyes greenish : thorax with ferruginous lines : abdomen dull blueish ; *antennae* rufous.

Inhabits *America* ; size of *T. bovinus*.

Mouth covered with cinereous down : *wings* brown : *legs* piceous.

Morio. Eyes brown : wings dusky : body deep black.

Inhabits *Barbary*. *Ross, Fn. Etrusc. tab. 1. fig. 2.*

* *Autumnalis*. Wings hyaline : abdomen brown with a triple row of whitish spots.

Inhabits *Europe*. *Harris. Engl. Inf, tab. 7. fig. 4.*

Fasciatus. Eyes green : body chestnut-brown : wings with a brown band.

Inhabits *Sierra Leona* ; size of *T. bovinus*.

Mouth and *body* beneath paler : *wings* white with a brown base and band : *legs* black, thighs pale.

Calens. Eyes green ; abdomen with a white line down the back : *antennae* red.

Inhabits *South America*. *Degeer. Inf. 6. tab. 30. fig. 1.*

Antennae tipped with brown : *thorax* brown with cinereous lines : *legs* brown, *thanks* white at the base.

Tarandinus Eyes green : segments of the abdomen edged with pale yellow : *legs* rufous.

Inhabits *Northern Europe* : wounds the young horns of the Reindeer, making them grow deformed.

- Albipes.* Thorax and first segment of the abdomen covered with cinereous down: flanks white.
Inhabits *France*: size of *T. bovinus*.
Head black: *eyes* rufous: *abdomen* black: *wings* whitish at the base and dusky in the middle: *legs* black.
- Fervens.* Eyes green: head and thorax brown: antennæ and abdomen pale yellow.
Inhabits *South America*. *Degeer. Inj.* 6. *tab.* 30. *fig.* 4.
- Exesivans.* Eyes green: segments of the abdomen edged with white: flanks white.
Inhabits *South America*. *Drury. Inf.* 6. *tab.* 30. *fig.* 5.
- Ruficornis.* Eyes banded: wings white with a brown rib: antennæ rufous.
Inhabits *America*. *Drury. Inf.* 1. *tab.* 44. *fig.* 2.
Head covered with cinereous wool: *thorax* piceous: *abdomen* black, the edges of the segments above blue, beneath white: *legs* brown with rufous thighs.
- Pellucens.* Eyes banded: black, first segment of the abdomen blueish: flanks white.
Inhabits *Germany*; size of *T. rusticus*.
First segment of the *abdomen* blueish with a brown spot in the middle, beneath pellucid: the others above immaculate, beneath with a blueish spot each side in which is a black dot.
- Atratus.* Abdomen blueish: wings black.
Inhabits *American Islands*. In the museum of Sir *Jos. Banks*.
Abdomen blueish with a black tail: *antennæ* and *legs* black.
- Bromius.* Eyes with a purple band: body cinereous.
Inhabits *Europe*. *Schæff. Icon.* *tab.* 130. *fig.* 6.
- Cinctus.* Deep black: 3 first segments of abdomen rufous: wings black.
Inhabits *Virginia*; size of the last.
- Cayennensis.* Eyes brown before and green behind: abdomen black, the second and third segments fulvous, the rest edged with white.
Inhabits *Cayenne*; small.

Antennae fulvous: *mouth* cinereous with a black proboscis: *thorax* dusky with fulvous down: *legs* black, the 4 hind-thighs rufous.

- Nigrita*. Black: wings with a pale spot at the tip.
Inhabits *France*: size of *T. bromius*.
- Italicus*. Eyes brown: body cinereous: abdomen dusky with a pellucid pale base.
Inhabits *Italy*: small.
First segment of the *abdomen* with cinereous dorsal line: *legs* pale ferruginous tip with black.
- Mexicanus*. Body livid: antennæ and nerves of the wings green with anastomosing dots.
Inhabits *Surinam*. *Degeer. Inf. 6. tab. 30. fig. 6.*
- *Rusticus*. Eyes glaucous: body cinereous: front with 2 black dots.
Inhabits *Europe*.
- *Paganus*. Eyes glaucous, the fore-part green with 3 fulvous bands: abdomen with ferruginous spots at the sides.
Inhabits *England*. *Harris. Engl. Inf. tab. 7. fig. 1.*
Mouth covered with cinereous hairs: *thorax* cinereous downy with 4 brown streaks: *abdomen* brown, beneath cinereous, each segment with a ferruginous spot each side and an adjacent black one: *wings* hyaline: *legs* cinereous the ends black.
- Punctatus*. Eyes testaceous: body cinereous downy: wings white dotted with black.
Inhabits *Cayenne*; size of *T. rusticus*.
Thighs green, *thanks* white: rib of the *wings* subferruginous.
- Inanis*. Eyes brown: body cinereous downy: abdomen pellucid tip with brown.
Inhabits *Cayenne*; resembles the last.
Wings white with a pale ferruginous rib: *thighs* greenish at the tip.
- Occidentalis*. Eyes with 2 brown bands: body brown with 3 fulvous lines on the abdomen.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 30. fig. 3.*
- *Tropicus*. Eyes with 3 purplish bands: abdomen ferruginous at the sides.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 12. fig. 15.*

Græcus. Brown ; sides of the abdomen ferruginous, the edges of the segments cinereous : antennæ rufous tipped with black.

Inhabits *Italy* ; size of *T. tropicus*.

Head cinereous : *sucker* ferruginous : *eyes* with a black line between them : *thorax* with thin ferruginous down : *wings* whitish with a ferruginous rib : *legs* black, *shanks* ferruginous.

Borcalis. Eyes with 3 purplish bands : abdomen black, the segments whitish at the edges.

Inhabits *Norway* ; size of *T. pluvialis*.

Thorax brown : *abdomen* black with a faint glaucous spot each side on each segment : *legs* black.

Antarcticus Eyes with 4 brown bands : *shanks* white.

Inhabits *America*. *Wings* white with a brown rib.

**Pluvialis* Eyes green with 4 waved bands : wings with brown dots.

Inhabits *Europe*, *Donovan. v. tab. 151. fig. 3.*

Reaum. 4. tab. 81. fig. 1. Harris. Eng. Inf. tab. 7. fig. 8.

Degeer. 6. tab. 13. fig. 1. 2.

Like *T. cæcutiens*, this little insect fixes on the hands face and legs, exciting a painful inflammation in the part where it has drawn blood.

Thorax grey-brown with 7 lines : *abdomen* grey with black transverse lines : *legs* black.

Lincolæ. Brown ; abdomen subferruginous, the back brown with a white line.

Inhabits *North America* ; larger than the last.

Mouth white : *antennæ* testaceous : *thorax* with a callous ferruginous dot before the wings : *legs* black with ferruginous *shanks*.

Lunatus. Cinereous ; thorax black with white lines : abdomen with 3 rows of black lunules.

Inhabits *Barbary* ; size of *T. pluvialis*.

Antennæ cinereous, the last joint rufous, the tip black : *head* with 3 black glabrous dots between the eyes : *thorax* with 5 lines : *scutellum* black : *abdomen* whitish, each segment with 4 black lunules : or black with 3 lines of whitish spots : *wings* whitish : *legs* testaceous with cinereous thighs.

Æquorum. Black ; sides of the abdomen rufous at the base : wing brown with white dots.

Inhabits *Germany* ; size of *T. pluvialis*.

Antennæ.

Antennæ black, the second joint rufous at the base : *front* with a black dot between the antennæ : *thorax* black with white lines : *abdomen* subconic, the 3 first segments rufous at the sides, the rest edged with white : *legs* black ; *fore flanks* with a testaceous ring, hind-ones with 2.

Macularis Brown : thorax with 4 whitish lines : abdomen with lateral pale spots.

Inhabits *Morocco*; larger than *T. pluvialis*.

Antennæ cinereous tip with black : *head* cinereous, crown brown : *legs* black with ferruginous shanks : *wings* whitish with a pale brown waved streak in the middle.

Vittatus. Brown ; thorax with 4 pale lines, abdomen with 2, and whitish beneath.

Inhabits *Morocco* ; resembles the last.

Antennæ cinereous; the tip rufous : *head* cinereous, crown brown : *legs* pale with black thighs : *wings* whitish.

Longicornis Eyes spotted : wings brown on the thicker half with a triangular white spot in the middle : antennæ long.

Inhabits *Brazil*. Museum of Sir *Jos. Banks*.

Antennæ brown with a palish base and 1-toothed in the middle : *eyes* brown at the base, the tip paler with a brown curve and spot : *thorax* brown, the 2 first segments with a yellow streak at the base.

Striatus. Cinereous ; abdomen brown with 3 abbreviated white lines.

Inhabits *China*.

Mouth whitish : *antennæ* reddish : *thorax* with faint lines : *hind-flanks* paler.

Bidentatus. Ferruginous : abdomen with 2 yellow spots each side ; scutell 2-toothed.

Inhabits *Austria* ; larger than *T. pluvialis*.

Thorax gibbous : first segment of the *abdomen* with a brown spot, the 2 next with a yellow marginal spot each side : *legs* ferruginous.

Bispinus. Brown : abdomen ferruginous with a black base : scutell black, 2-toothed.

Inhabits *Germany* ; size of the last.

Thorax downy with faint lines : first segment of the *abdomen* black, the rest ferruginous with a black spot and yellow side.

- * *Cæcutiens* Eyes green with black dots: wings with a black outer margin and band in the middle.

Donovan. iv. tab. 131. *Harris's Eng. Inf.* tab. 7. fig. 5.

Degeer. *Inf.* 6. tab. 13. fig. 3. *Schæff.* *Icon.* tab. 8. fig. 1.

Inhabits *Europe* and *America*, and is extremely troublesome in hot weather, especially before rain, fixing on the hands and face or any uncovered part, dexterously opening a vein and leaving an inflamed and bloody puncture behind.

Antennæ and *legs* black: *thorax* brown with 4 yellow lines: *abdomen* yellow with triangular black marks and tip.

- Moerens*, Eyes black varied with whitish: wings white with a black outer margin and band in the middle.

Inhabits *Cayenne*; resembles the last.

Antennæ black with a whitish base: *head* whitish with 2 black lines under the antennæ and 2 dots on the crown: *thorax* white with black lines: *abdomen* grey, the first segment yellowish with a black curve, 2, 3, with 2 black spots at the base: *wings* with a white dot in the black band: *legs* black with testaceous shanks

- Fenestratus*. Pale cinereous with black lines: wings with a brown band spotted with white.

Inhabits *France*; size of the last.

Antennæ black with a yellow base: *head* with 2 black dots under the antennæ and 2 on the crown: *thorax* with 3 black lines: *abdomen* blueish, the 3 first segments with 2 black lines: *wings* with a black rib: *legs* ferruginous tip with black.

- Cebatus*. Thorax and abdomen yellow with black lines: wings with a yellow rib and tip with brown.

Inhabits—size of the former ones.

Antennæ testaceous: *head* whitish with a black mouth and 2 dots: *thorax* with 3 lines: *scutellum* yellow edged with black: *abdomen* with 4 lines.

- Lugubris*. Eyes and body black: wings brown with a white spot.
Inhabits *Europe*.

- Fiduatulus*. Black; segments of the abdomen edged with fulvous: wings black with 2 white sinuities on the thinner margin.

Inhabits *Germany*; size of the last.

Front cinereous with 2 raised black dots; *thorax* with a lateral reddish line: first segment of the *abdomen* rufous at the sides, the rest at the edges: *legs* black.

Sepulchralis Black; wings white with a black rib and transverse spot in the middle.

Inhabits *Germany*; size of *T. lugubris*.

Griseus. Black; thorax grey: second segment of the abdomen with a common cinereous band behind, 4, 5, 6. cinereous each side: wings ferruginous.

Inhabits out of *Europe*. *Mus. Lesk. p. 133. n. 175.*

Albidus. Downy; eyes with 4 bands: abdomen with a black belt thanks white.

Inhabits *Europe*. *Schranck. Inf. Aust. p. 480. n. 977.*

Maritimus. Cinereous; wings hyaline with a black margin and broad band.

Inhabits *Europe*. *Schranck. Inf. Aust. p. 480. n. 979.*

102, *CULEX*. *Mouth* with a single-valved exerted flexile sheath inclosing 5 bristles; *feelers* 2, of 3 articulations: *antennæ* approximate, filiform. *Gnat.*

These like the former insects, live by sucking out the blood and juices of the larger animals, and are eagerly sought after by poultry and sparrows: the *larva* resides in stagnant waters and has a small cylindrical respiratory tube near the tail, the head is armed with hooks to seize on the aquatic insects upon which it feeds: the *pupa* is incurved and ovate with respiratory tubes near the head.

**Pipiens*. Cinereous with 8 brown rings on the abdomen.

Reaum. Inf. 3. tab. 43. 44. Roef. Inf. 3. tab. 15.

Swammerdam. Bib. Nat. tab. 31. fig. 4—8. tab. 32. fig. 1—5.

Inhabits *Europe*, and is every where known by its shrill buzzing noise and severe puncture. It is said sometimes to shine by night.

In the savannas of warmer climates a much larger species is found, known by the name of the *Musquito fly*, which inflicts to severe a wound, that the inhabitants are obliged to sleep under thin gauze nets.

Antennæ of the male pectinate or feathered.

Annulatus. Brown, abdomen and legs annulate with white: wings spotted with brown.

Inhabits

Inhabits *Germany*; size of the former.

Proboscis half as long as the body: segments of the *abdomen* edged with white, the first segment with a white dorsal line.

**Trisurca-* Brown with faint lines on the thorax.

tus. *Reaum. Inf.* 4. tab. 40. fig. 1, 2. *Subz. Inf.* 21. fig. 136.

Inhabits swamps and marks of *Europe*.

Lutescens. Yellow; wings hyaline with a yellowish rib.

Inhabits *Germany*; size of the last.

Sucker terminated by a black dot.

Hæmor- Brown; abdomen edged with rufous fringe at the tip.

rhoidalis. Inhabits *Cayenne*, the largest of its family.

Antennæ with very thick verticillate hairs; brown, the first joint naked and shining blue: *head* brown with a shining-blue crown: *thorax* elevated brown with a blue fore-margin and dot before the wings: *legs* blue, thighs testaceous beneath: *wings* white with a brown rib.

Ciliatus. Black with 2 yellow dorsal lines on the thorax: legs yellow.

Inhabits *Carolina*; less than the last.

Antennæ verticillate pale cinereous: *proboscis* yellowish tip with black: *head* black with snowy specks: *abdomen* cylindrical: *wings* dusky, the thinner margin deeply fringed: all the *flanks* and hind-tarsi fringed.

Ciliaris. Brown testaceous; wings fringed.

Inhabits *Europe*; half the size of *C. pipiens*.

Antennæ black with verticillate hairs: *abdomen* brownish.

**Pulicaris.* Brown; wings white with $\frac{3}{4}$ dusky spots.

Inhabits *Europe*. *Derham Physico-theol.* 1. 11. fig. 5, 6.

Makes an itching puncture and leaves behind it a brown mark.

**Reptans.* Black with hyaline wings: legs black with a white ring.

Inhabits *Europe*, and is very troublesome.

**Morio.* Black with white wings: hind-thighs clavate and ferrate.

Inhabits *England*; larger than *C. pulicaris*.

Antennæ with tufted hairs: *fore-thighs* pale at the base.

**Equinus.* Black; abdomen brown: front white.

Inhabits *Europe*, and is generally found concealed among the hairs of horses.

Stercoreus. Testaceous; wings reticulate: thorax with a blackish line, abdomen with 3.
Inhabits *Europe*, about filthy substances.

Variegatus. Cinereous; legs variegated with white and black.
Inhabits *Austria*. *Schranck. Inf. Aust. p. 482. n. 983.*
Head and *poisers* black: wings fringed.

Argenteus. Black covered with silvery scales: legs banded.
Inhabits *Barbary*. *Journ. de Phys. 1787. Apr. p. 245.*

103. EMPIS. Mouth with an inflected sucker and proboscis; sucker with a single-valved sheath and 3 bristles: feelers short filiform: antennae setaceous.

These minute insects live likewise, by sucking out the blood and juices of other animals.

* *Borealis*. Black with roundish rusty-brown wings.
Inhabits *Europe*, and is seen swarming in the air on a still evening.
Wings very large: abdomen with a bifid tail.

Cylindrica. Ferruginous; abdomen long cylindrical black.
Inhabits *Barbary*.
Thorax with a black dorsal line: proboscis black: wings oblong blackish: legs ferruginous.

Marginata. Black; wings white with black margins.
Inhabits *Saxony*; small.

Clavipes. Black; hind-thighs thick and ferrate beneath.
Inhabits *Zealand*.
Proboscis small straight: thorax gibbous: poisers yellow.

* *Pennipes*. Black with long feathered hind-legs.
Inhabits *Europe*, on the flowers of the *Geranium sylvaticum* and *Cardamines pratensis*. *Sutcz. Inf. tab. 21. fig. 127.*
2. Four hind-thighs feathered: wings brown with a black rib.
Inhabits *Europe*. *Mus. Lesc. p. 31. n. 209.*

Forcipata. Cinereous; wings oblong with a black costal spot: tail terminated by an appendage.
Inhabits *Northern Europe*.

- Maura.* Black; fore-tarsi thick and ovate.
Inhabits *Kiel*; about stagnant waters.
Sucker straight, as long as the proboscis, the sheath emarginate:
wings white, half of the rib brown.
- * *Livida.* Livid; thorax pale green with 3 black lines: base of the
wings and legs ferruginous.
Inhabits *Europe*. *Deger, Inf. 6. tab. 14. fig. 14.*
- Ciliata.* Blackish; wings with a brown rib; legs black, the 4 hind-
ones feathered.
Inhabits *Kiel*; size of *E. livida*.
Head black with a testaceous proboscis; thorax hairy.
- Tessellata.* Hairy, cinereous; thorax with black lines: abdomen tes-
sellate.
Inhabits *Barbary*; size of *E. livida*.
Antennae black: abdomen tessellate, the segments cinereous at the
base and tip with black: wings brown with a testaceous base:
legs ferruginous.
- Morio.* Hairy, black with whitish lines on the thorax: wings
brown.
Inhabits—size of *E. livida*.
Eyes large testaceous: legs black with subttestaceous shanks:
wings a little testaceous at the base.
- * *Cinerea.* Cinereous; thorax immaculate: legs pale: wings brownish
at the tip.
Inhabits *Europe*, on umbellate flowers: small.
- Nigripes.* Cinereous; thorax with brown lines: wings white: legs
black.
Inhabits *Germany*; size of the last.
Head grey: proboscis and antennae black.
- Fuscipes.* Cinereous; wings white with a black marginal spot: legs
brown.
Inhabits *Denmark*; small.
Proboscis and antennae black: abdomen brownish.
- Maculata.* Cinereous; proboscis sides of the abdomen and legs testa-
ceous: wings white spotted with brown.
Inhabits *Italy*; size of *E. cinerea*.
Thorax cinereous with faint lines: legs testaceous with black
claws: abdomen with a testaceous line each side.

- * *Stercorica*. Testaceous with a black dorsal line: wings reticulate.
Inhabits *Europe*, on umbellate flowers.
- Plumbea*. Cinereous; thorax with black lines: segments of the abdomen black at the base.
Inhabits *Italy*; small.
Wings hyaline with an oblong brown spot: legs black.
- Mimata*. Black with white wings and testaceous legs.
Inhabits *Denmark*, on fungi; small.
- Flavipes*. Cinereous; abdomen black: wings hyaline: legs testaceous.
Inhabits *Denmark*, on flowers; very small.
Legs testaceous, the tarsi dotted with black.
- Nigripennis*. Black with testaceous thighs: wings black hyaline.
Inhabits *Denmark*, on flowers: small.
Eyes large, in the living insect red and black when it is dead.
- Melanocephala*. Testaceous; head and back of the abdomen black.
Inhabits *Germany*; very small.
Antennae cylindrical black, the base testaceous with a long hair: wings hyaline: legs testaceous.
- Craffipes*. Black; all the tarsi with a long thick joint: wings white, lower half of the outer margin black.
Inhabits *Austria*. Schrank. *Inf. Aust.* p. 484. n. 988.
- Rufipes*. Black with a greyish hue: legs ferruginous.
Inhabits *Europe*. *Mus. Lesh.* p. 135. n. 212.
- 4-lineata*. Black with a greyish gloss: thorax with 4 lines: abdomen cylindrical and inflexed at the tip.
Inhabits *Europe*. *Mus. Lesh.* p. 135. n. 211.
- 3-lineata*. Cinereous: thorax with 3 black impressed lines: wings white: legs pale yellow.
Inhabits *Europe*. *Mus. Lesh.* p. 135. n. 210.
- Nigricrus*. Cinereous; thighs black, shanks and wings ferruginous.
Inhabits *Europe*. *Mus. Lesh.* p. 135. n. 208.
- Gibbosa*. Brown; thorax gibbous: abdomen thin: wings spotted: shanks and ends of the legs white.
Inhabits *Europe*. *Mus. Lesh.* p. 135. n. 216.

Fuscipes. Grey-brown: wings white: legs livid, black at the ends.
Inhabits *Europe*. *Mus. Lesh.* p. 135. n. 217.

Leucoptera. Thorax cinereous: abdomen black: wings white: legs livid.

Inhabits *Europe*. *Mus. Lesh.* p. 135. n. 218.

104. STOMOXYS. Sucker with a single-valved sheath, inclosing bristles each in its proper sheath: *feelers* 2, short setaceous of 5 articulations: *antennae* setaceous.

These also suck blood from other animals.

A. Sheath convolute and geniculate at the base, with 2 bristles

Morio. Black: fore-part of the thorax hairy ferruginous: wings black with white spots.

Inhabits *Brazil*. In the museum of Sir *Jos. Banks*.

Head ferruginous with black proboscis antennæ and stemmata: abdomen black with a blue gloss: tip of the wings whitish.

Grisea. Antennæ feathered: hairy, grey with testaceous thighs.

Inhabits *Germany*; size of *St. fiberita*.

Proboscis black, a little testaceous at the base: head white with a testaceous line on the front: wings whitish: legs black with rufous thighs.

Parafita. Antennæ feathered; grey, abdomen above brown with diaphanous testaceous spots at the base.

Inhabits *America*; large.

Mouth whitish with a projecting black proboscis: thorax with faint lines: legs white,

Siberita. Antennæ feathered: hairy, grey: sides of the abdomen pale diaphanous.

Inhabits *Germany*.

Orbits snowy: legs black with pale thighs.

**Calcitrans* Antennæ slightly feathered: grey with black legs.

Deger. Inf. 6. tab. 4. fig. 4. *Geoffr. Inf.* 2. tab. 18. fig. 2.

Inhabits *Europe*, resembles the common fly, and is the insect

which

which buzzes about the legs of cattle, making them continually flap with the feet ; and which stings our legs in autumn.

- Tessellata.* Hairy, cinereous : abdomen grey tessellate with brown.
Inhabits *Kiel*; larger than *S. irritans*.
Antennae black : *abdomen* tessellate with brown spots : *wings* white : *legs* black.
- *Irritans.* Cinereous, slightly hairy : abdomen spotted with black.
Panz. Fn. Germ. 5. tab. 24.
Inhabits *Europe*, and is very troublesome on the back of cattle.
- Muscaria.* *Antennae* slightly feathered : hairy, black : abdomen paler with deep black bands.
Inhabits *Denmark*; size of the last.
Segments of the *abdomen* black at the base : *wings* white.
- Pungens.* Cinereous with black thighs
Inhabits *Europe*, on the back of cattle : small.
Body slightly hairy : *wings* whitish.
- Astiliformis.* *Antennæ* setaceous ; body dusky : wings with black marginal spots.
Inhabits *Italy*; size of *S. irritans*.
Sucker short yellow : *antennae* yellow with a long simple hair : *legs* yellowish, hind-thighs black.
- Stylata.* Cinereous ; abdomen rufous with a projecting style black at the end : wings hyaline with 5 brown bands, every other one abbreviated.
Inhabits *Barbary*.
Proboscis cylindrical yellowish : *antennæ* setaceous : *head* yellowish with a snowy mouth : *thorax* hairy yellowish : *legs* yellowish.
- Dorsalis.* Black : abdomen snowy on the back with 3 pair of black dots.
Inhabits *France*; small.
Antennæ setaceous : *head* black with a snowy mouth : *thorax* with 2 yellow dots on the fore-part : *scutellum* yellow : *poisiers* yellow : *abdomen* ovate, above flat, the first segment black edged with white, the 3 others white with each a pair of oblong black spots ; *wings* hyaline : *legs* yellow tip with black.
- Longipes.* Orbits white : thorax grey : abdomen grey-brown : legs ferruginous, black at the ends.
Inhabits *Europe*. *Mus. Lesh. p. 134. n. 1.*

B. *Sheath covering the mouth, with 5 bristles. Rhingia.*

• *Rostrata.* Thorax with obscure lines : proboscis abdomen and legs testaceous.

Inhabits Europe. *Degeer. Inf. 6. tab. 7. fig. 21, 22.*

Resembles the common fly. and is very troublesome to cattle : wings pale.

Lineata. Thorax black with 4 white lines : abdomen black with 3 lateral yellow spots and tail.

Inhabits Germany : resembles a Syrphus.

Proboscis yellow, the tip emarginate and black.

Antennae black with a ferruginous club and black hair : scutell testaceous : abdomen with 3 yellow spots each side, the last segments yellow : wings whitish : legs yellow, thighs with a black belt.

*Musci-
formis.*

Thorax brown with 4 whitish lines : abdomen black with 3 pair of white lunules.

Inhabits Germany ; resembles a Syrphus.

Antennae black with a broad compressed ferruginous club : mouth silvery hairy ; head brown : tail blueish : legs yellow spotted with black.

105. CONOPS. Mouth with a projecting geniculate proboscis : antennae clavate and pointed at the end.

Like the former, these insects extract animal juices.

A. *Sucker geniculate near the base, with a single-valved abbreviated sheath inclosing a single bristle.*

• *Vesicularis.* Blackish ; hind-part of the head vesicular : abdomen yellowish with a black base.

Inhabits woods of Europe.

Thorax with 2 callous ferruginous dots on the fore-part : scutell ferruginous.

• *Aculeata.* Black ; incisures of the abdomen yellow : thorax with 2 yellow dots on the fore-part.

Inhabits Europe. *Degeer. Inf. 6. tab. 15, fig. 1.*

Scutell sometimes black sometimes yellow.

- Piza.** Ferruginous ; thorax variegated with black and yellow : wings with 2 ferruginous rib.
Inhabits *American Islands*: size of the last.
Proboscis black : *orbits* golden ; *abdomen* hooked ferruginous, the 2 first segments black edged with yellow : *legs* ferruginous tipped with black.
- Vinata.** Abdomen cylindrical hooked ferruginous, the segments in one sex edged with yellow : wings with a submarginal abbreviated brown fillet.
Inhabits *Kiel*: size of *C. aculeata*.
Antennae black the club ferruginous before the tip : *mouth* vesicular whitish with a black *proboscis* : *crown* with an elevated vesicular margin ; *thorax* with a ferruginous callous dot on the fore-part : *legs* ferruginous.
- Rufipes.** Black : base of the abdomen ferruginous, the segments edged with white: legs ferruginous.
Inhabits *Germany*; size of *C. aculeata*.
Front yellow : *antennae* brown : *poisfers* yellow : *abdomen* clavate : wings with a brown rib.
- Erythrocephala.** Blue-brown: head shining silvery : crown testaceous pellucid.
Inhabits *East India*: size of the former ones.
Antennae black : *head* black covered with silvery down with a black dot each side at the base of the antennæ : *abdomen* blue-black : *legs* black, 4 fore-thighs rufous.
- Macrocephala.** Blue-black 4 of the segments of the abdomen edged with yellow ; antennæ and legs rufous.
Inhabits *Europe*. *Barbut Insects. tab. 17. Gen. vii.*
Head yellowish : *poisfers* yellow ; *thorax* variegated.
- Flavipes.** Black, glabrous: abdomen cylindrical, 3 of the segments edged with yellow.
Inhabits *Europe*: resembles the last.
Legs yellow with black bands.
- B. *Sucker geniculate at the base and middle, the sheath with 2 equal valves.* Myopa.
- Dorsalis.** Ferruginous ; thorax brown on the back : abdomen cylindrical hooked, the segments edged with white.
Inhabits *Germany*; larger than *C. ferruginea*.

Mouth vesicular yellowish : *antennae* ferruginous yellowish at the tip : *legs* ferruginous : *wings* dusky.

**Ferruginea*. Ferruginous : abdomen cylindrical incurved : front yellowish.

Inhabits *Europe*. *Schaeff. Icon. tab. 261. fig. 3.*

Atrata. Abdomen cylindrical incurved : body black, mouth white. Inhabits *Germany*; less than the last.

Antennae black with a yellowish band : *front* yellowish with white sides : *legs* black, hind-thighs yellowish.

Testacea. Ferruginous : abdomen ovate hooked with a cinereous tail : wings with a brown dot in the middle ; face vesicular white.

Inhabits *Germany*. *Schaeff. Elem. tab. 20.*

Thorax brown on the back : *wings* dusky.

**Buccata*. Ferruginous : abdomen hooked, spotted with white : face vesicular white ; wings clouded.

Inhabits woods of *Europe*.

Punctata. Black : thorax with a greenish-white spot each side : abdomen ovate whitish with a line of black dots.

Inhabits *Germany*; less than *C. buccata*.

Mouth vesicular white : *abdomen* greenish-white, the first segment black, the rest with a black dot in the middle and obsolete marginal marks : *wings* hyaline.

Cincta. Ferruginous ; abdomen hooked with 3 white bands.

Inhabits *East India* : less than *C. ferruginea*.

Front vesicular white with a black dot each side : *legs* testaceous tip with black, shanks a little silvery.

Chingulata. Black ; thorax with silvery spots : abdomen with flexuous silvery bands : wings half black.

Inhabits ——— *Antennae* incumbent ; *thorax* with a lateral silvery line and spot under the wings : *poisfers* white.

Cinerea. Cinereous : mouth vesicular white : tail black.

Inhabits *Italy* ; size of the former ones.

Antennae ferruginous : *abdomen* hooked : *legs* cinereous.

Annulata. Blackish : legs testaceous with black bands.

Inhabits *Italy* ; small.

Antennae ferruginous : *mouth* vesicular white : *abdomen* hooked black, the second segment faintly ferruginous each side : *legs* testaceous, thighs and shanks with a black ring.

Petiolata. *Antennae* black with a red club : head yellow ; *abdomen* petiolate.

Inhabits *Siberia*. *Gmelin. Syst. nat. p. 2894.*

Body black : *thorax* with a reddish-white spot at the anterior angle : tip of *abdomen* rounded and white, the petiole red : knobs of the *poisers* yellow : *wings* brown, the thinner margin hyaline at the tip : *legs* reddish.

Alomaria. Grey ; *abdomen* ovate : *wings* brown with crowded white dots.

Inhabits *Europe*. *Gmelin. Syst. Nat. p. 2894.*

Annularis. *Thorax* black ; *abdomen* cylindrical varied with yellow and black : *wings* ferruginous at the base : *legs* ferruginous annulate with brown.

Inhabits *Europe*. *Mus. Lesk. p. 134. n. 201.*

Flava. *Thorax* black : base of the *abdomen* black on the back with a black mark each side, the 2 next segments with an oblique black spot in the middle and at the sides.

Inhabits *Europe*. *Mus. Lesk. p. 134. n. 202.*

106. *ASILUS*. *Mouth* with a horny projecting straight 2-valved sucker, and gibbous at the base : *antennae* filiform approximate, of 2 articulations : *body* oblong conic.

These prey on other insects, especially those of the dipterous and and lepidopterous orders.

Grossus. Hairy black : *thorax* and base of the *abdomen* cinereous. Inhabits *America* ; very large.

Front covered with long cinereous hair at the sides : *wings* cinereous with brown veins : under the *scutell* are 2 yellow dots ; *abdomen* ovate, the first segment naked black, the 2 next hairy cinereous, the rest black.

Maurus. Subferruginous : sides of the breast black : back of the *thorax* with 3 black lines.

Inhabits *Africa* ; size of *A. crabroniformis*.

- Algirus*. Body entirely ferruginous with pale hairs.
Inhabits *Africa*.
- Analus*. Thorax testaceous with 3 brown lines : abdomen above fulvous, beneath black, the edges of the segments white each side.
Inhabits *Italy* ; less *A. barbarus*.
Head hairy golden : eyes black : margin of the thorax golden each side : abdomen above fulvous, the base and tip black : legs testaceous.
- Barbarus*. Front thorax and legs ferruginous : wings yellow with a black tip and thinner margin.
Inhabits *Africa*. Thighs black.
- **Crabroniformis*. Abdomen downy, the 3 first segments black, the lower-part yellow and inflected.
Donovan. v. tab. 180. *Reaum*. *Inf.* 4. tab. 8. fig. 3.
Degeer. *Inf.* 6. tab. 14. fig. 3. *Schaeff*. *Icon*. tab. 8. fig. 15.
Inhabits *Europe*. Its sting is very painful.
- Ephippium*. Hairy: black : thorax white at the base.
Inhabits *Germany*. *Degeer*. *Inf.* 6. tab. 13. fig. 9.
Head hairy : wings brown : ends of the legs piceous.
- **Gibbosus*. Hairy, black : hind-part of the abdomen white.
Inhabits *Europe*. *Degeer*. *Inf.* 6. tab. 13. fig. 6, 7.
Head covered with thick white hair.
- Pædemontanus*. Hairy, black: hind-part of the thorax and abdomen cinereous: tail black.
Inhabits *Italy*; size of *A. gibbosus*.
Front covered with long cinereous hair : legs black, thighs clavate, thighs cinereous hairy.
- Maroccanus*. Black : abdomen and thighs covered with fulvous hairs.
Inhabits *Barbary*; size of *A. gibbosus*.
Head with a fulvous beard under the antennæ : thorax black with fulvous down : wings whitish.
- Aureus*. Hairy : head and abdomen golden: thorax and legs obscure chestnut-brown.
Inhabits *France*; size of *A. gibbosus*.
Sucker and antennæ black : thorax black with ferruginous hair : 2 first segments of the abdomen naked black : legs ferruginous hairy.

- Barbatus.* Hairy, black with a white beard hind-part of the abdomen and hind-shanks.
 Inhabits *Cayenne*: size of *A. gibbosa*.
Head black with long thick white hair round the mouth: *scutellum* very hairy: *abdomen* short hairy, the 2 first segment black, the other white.
- Fasciatus.* Hairy, black: abdomen with 2 snowy bands at the base.
 Inhabits *Sierra Leona*.
Head black with ferruginous hairs: *thorax* black, the sides and *scutellum* subferruginous: *wings* brownish: *legs* black with ferruginous hairs.
- Æstivans.* Cinereous; 3 last segments of the abdomen white.
 Inhabits *North America*.
- * *Ater.* Hairy, black with a whitish beard.
 Inhabits *Europe*.
- Diadema.* Black with brown wings; front white.
 Inhabits *Italy*; size of *A. ater*.
- Calidus.* Hairy, chestnut: thorax brown; abdomen black, the segments edged with white.
 Inhabits *Cayenne*; size of the former-ones.
Antennae black: *wings* whitish: *thighs* brownish, *shanks* hairy testaceous, *tarsi* black.
- * *Flavus.* Hairy, black: thorax cinereous behind: abdomen above hairy fulvous.
 Inhabits *Europe*. *Degeer. Inf. 6. tab. 13. fig. 10.*
Head with a white beard.
- Atratus.* Hairy, black; head and thorax pale cinereous.
 Inhabits *Barbary*; size of *A. diadema*.
Head hairy cinereous with a black sucker: *thorax* with a ferruginous callous dot each side: *abdomen* black immaculate: *wings* cinereous with a ferruginous rib: *legs* black.
- Ruficornis.* Hairy, black: thorax spotted: segments of the abdomen 2, 3, 4, fulvous.
 Inhabits *Italy*; half the size of *A. gibbosus*.
Antennae black at the base and rufous at the tip: *thorax* black, with fulvous spots on the fore-part and 2 whitish ones on the back: *legs* black, testaceous at the tip.

- Violaceus*. Hairy, black : abdomen violet.
Inhabits *Germany*. *Wings* brown.
Body entirely covered with erect rigid hairs.
- **Gilvus*. Black ; abdomen above fulvous : legs black.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 13. fig. 15.*
All the segments of the *abdomen* except the 2 first fulvous.
- Pungatus*. Hairy : thorax cinereous downy : abdomen black with 3
white marginal dots and 2 rufous dorsal spots.
Inhabits *Italy* ; size of *A. gilvus*.
Head with a cinereous front and beard : *antennae* black : *legs*
black : *wings* rusty-brown.
- Cylindricus*. Cylindrical ; segments of the abdomen 3, 4, 5, above ru-
fous : legs rufous.
Inhabits *Germany* : size of *A. gilvus*.
Head black with a whitish front and beard : *thorax* hairy black :
wings subtestaceous.
- Marginatus*. Poisers and incisures of the abdomen yellow : thighs black.
Inhabits *Europe*. *Degeer. Inf. 6. tab. 14. fig. 1.*
- Limbatys*. Blackish : antennæ border of the thorax incisures of the ab-
domen and legs fulvous.
Inhabits *Barbary* ; size of the last.
Sucker black : *head* hairy golden ; *scutel* fulvous : *wings* sub-
hyaline.
- Plumbeus*. Body cinereous immaculate.
Inhabits *New Holland*. *Museum of Sir Jos. Banks.*
Sucker short black : *poisers* tipped with yellow.
- Brunneus*. Thorax cinereous with black lines : abdomen and legs
chestnut-brown spotted with black.
Inhabits *Ceyenne* ; size of *A. forcipatus*.
Head whitish : *sucker* and *antennae* chestnut-brown ; *thorax* with
3 lines : *abdomen* with a darker spot at the base of each segment :
wings white ; *legs* tipped with black.
- **Forcipatus* Hairy, cinereous with black tail and legs.
Degeer. Inf. 6. tab. 14. fig. 9. Frisch. Inf. 3. tab. 17.
Inhabits *Europe* and *New Holland*. *Tail* forked.
- Tibialis*. Hairy, brown : thorax with obscure lines : *thanks* rufous.
Inhabits *Germany* ; resembles the last.
Head with a whitish beard : *legs* black ; *wings* dusk.

- Germanicus* Hairy, black : shanks rufous : wings brown with a whitish base.
Inhabits *Germany*. *Schaeff, Icon. tab. 48. fig. 9, 10.*
All the shanks rufous : tail forked.
- Rufipes*. Brown; abdomen cinereous with 4 black bands and tip : shanks rufous.
Inhabits *America*; twice as large as *A. forcipatus*.
Sucker black : wings dusky : legs black.
- Maculatus*. Cinereous with a square black spot on the segments of the abdomen : legs piceous, the ends black.
Inhabits *East India*; size of the last.
Proboscis tipt with black : abdomen long cylindrical.
- Chinensis*. Cinereous : sides of the abdomen and shanks testaceous.
Inhabits *China* ; size of the last.
Antennae ferruginous : sucker black : thorax with faint black lines : wings white with a subtestaceous rib.
- Brunnipes*. Hairy, cinereous : rib of the wings at the base and legs ferruginous.
Inhabits *Barbary*; a little larger than *A. forcipatus*.
Antennae tipt with black : head with paler lines.
- Marginalis*. Grey-brown : legs rufous tipt with black : wings with a deep black outer margin.
Inhabits *American Islands*. Front with a white beard.
- Annulatus*. Cinereous : abdomen tipt with black : thighs testaceous with a black ring.
Inhabits *East India*.
Thorax with a darker dorsal line : wings hyaline with a brownish tip : legs testaceous.
- Stylatus*. Hairy, cinereous : thorax and abdomen spotted with black : shanks rufous : tail ending in a style.
Inhabits *American Islands*; larger than *A. forcipatus*.
Abdomen with a black style half as long as the body : wings white.
- Nigripes*. Hairy, black : thorax with 4 white lines : abdomen with white belts.
Inhabits *Cayenne*.

Head whitish with a black sucker and antennæ: *wings* hyaline: *legs* black.

Sabaudus. Hairy, cinereous: abdomen rufous with brown marginal spots, beneath brown.

Inhabits *Italy*.

Sucker black: *antennae* rufous: *thorax* with a rufous spot each side: *legs* rufous: *wings* whitish with a yellowish rib.

Cingulatus. Cinereous; flanks rufous with 2 black rings.

Inhabits *Italy*; less than *A. forcipatus*.

Body cinereous immaculate: *legs* black.

**Tipuloides*. Naked, cinereous: legs ferruginous, the last joint black.

Inhabits *Europe*. *Thorax* with 3 black lines.

Teutonius. Black; thorax changeable gold, spotted; abdomen with 5 white spots each side.

Inhabits *Germany*. *Schaeff. Icon. tab. 8. fig. 13.*

Antennae pale yellow: *front* yellow: *abdomen* glabrous: *legs* tipped with black.

Nitidulus. Hairy, black: segments of the abdomen white at the edges.

Inhabits *Italy*; less than the last.

Front white with a white beard: *abdomen* covered with gold down: *legs* black; flanks with white hairs.

Cayennensis. Black; thorax with a white dorsal stripe in which are 2 black lines: head and scutellum white.

Inhabits *Cayenne*; size of *A. teutonius*.

Sucker, *antennae* and *crown* white: *abdomen* black, the 2 first segments edged with white: *wings* dusky: *poisens* with a white club.

Glaucius. Downy, black; second and third segments of the abdomen with a glaucous band, the rest edged with yellow.

Inhabits *Italy*. *Ross. Fn. Etrusc. 2. tab. 9. fig. 4.*

Head black with a whitish beard: *wings* dusky: *legs* rufous.

Lineatus. Testaceous; thorax with 3 black lines: abdomen with black spots: wings brown with a testaceous spot in the middle.

Inhabits *American Islands*; size of *A. celandicus*.

Sucker tipped with black: *legs* testaceous.

- Auratus*. Villous, golden: thorax brown on the back: abdomen testaceous, the segments 4, 5. black.
Inhabits *East India*; size of the last.
Sucker black: *legs* testaceous tip with black.
- Striatus*. Hairy; thorax brown with white lines: abdomen rufous with 2 lines of brown dots and a white one at the sides.
Inhabits *Barbary*; small.
Head cinereous with a thick white beard: *legs* rufous.
- Arcuatus*. Hairy, black: segments of the abdomen edged with white.
Inhabits *Germany*; small.
- Cinifus*. Cinereous; abdomen black, the segments edged with white.
Inhabits *Germany*; small.
Poifers yellow: *legs* black.
- Cyaneus*. Brown; wings and abdomen blue.
Inhabits the *Cape of good hope*; size of *A. celandicus*.
- **Oelandicus*. Naked, black with ferruginous legs and poifers: wings dark brown.
Inhabits *Europe*, *Degeer. Inf. 6. tab. 14. fig. 13.*
- Hyalipennis*. Glabrous, black: legs yellow: wings hyaline.
Inhabits *Denmark*; small.
Front pale grey: ends of the *hind-legs* black.
- Frontalis*. Glabrous, black: front silvery: legs rufous.
Inhabits *Kiel*; a little larger than the last.
- Moris*. Villous, deep black with blackish wings.
Inhabits *Guinea*; size of *A. celandicus*.
- Hottentotta*. Black; abdomen with lateral white dots: wings white with a black base.
Inhabits *Germany*; small.
Thorax gibbous, a little hairy behind: *legs* black.
- Haemorrhoidalis*. Black; abdomen with 4 white dots each side, tail and legs ferruginous.
Inhabits *Barbary*; small.
Head covered with gold down: *tarsi* blackish: *wings* whitish.

Conopsoides. Thorax black spotted with yellow: abdomen black with rufous bands.

Inhabits *New Holland*: small.

Head yellow: antennae and sucker black: scutellum yellowish: segments of the abdomen 2, 3. rufous with a black base, 4, 5. black tipped with rufous, 6 rufous: legs rufous, the lower joints black.

Linearis. Black; back of the thorax cinereous with black lines: abdomen linear, the segments edged with yellow.

Inhabits *Denmark*: small.

Lip covered with silvery down: thorax with 4 lines: wings hyaline: poisers and legs yellow.

* *Culiciformis*. Black, glabrous: hind-thighs as long as the abdomen.

Inhabits *England*: small.

Abdomen compressed incurved: wings large, hyaline: poisers yellow: hind-thighs very finely ferrate.

Muscarius. Black; wings clouded, the rib dotted with white and black.

Inhabits *France*: small.

Antennae yellow with a weak long hair: suckers yellow: poisers yellow tipped with black: legs testaceous with black thighs.

Minutus. Glabrous, black: 3 last segments of the abdomen pale cinereous: wings brown with a white base.

Inhabits *Italy*: small.

Front with a gold beard: legs black.

Maurus. Hairy, black: wings varied with white and black.

Inhabits *Denmark* and the *Cape of good hope*. *Fn. Suec.* 1917.

Lusitanicus. Blackish; wings spotted with white: abdomen yellow with 3 rows of black dots.

Inhabits *Italy*: size of a common fly.

Villosus. Black with yellow hairs: wings ferruginous: thighs and claws black: flanks and ends of the legs yellow.

Inhabits *Europe*. *Mus. Lesk.* p. 134. n. 186.

Pubescens. Downy, brown: front hoary: segments of the abdomen yellowish each side at the edges: poisers yellow.

Inhabits *Europe*. *Mus. Lesk.* p. 134. n. 192.

Striatulus. Black: thorax with a cinereous line each side: poisers yellow.

Inhabits *Europe*. *Mus. Lesk.* p. 134. n. 193.

Albistrans.

Albifrons. Black, glabrous; thorax with a double black line: incisures of the abdomen pale yellow; front white: legs livid.
Inhabits Europe. *Mus. Lesh.* p. 134. n. 194.

Æstivus. Cinereous; thorax with 3 black lines: legs black, shanks testaceous.

2. Legs entirely black. *Scopol. Ent. Carn.* n. 993.

Inhabits Austria. *Schranck. Inf. Aust.* p. 487. n. 996.

Antennæ black: wings hyaline with black veins; poisers and segments of the abdomen at the tip white,

Nigerrimus Deep black, glabrous: wings black with a deeper rib.
Inhabits Austria. *Schranck. Inf. Aust.* p. 488. n. 998.

Podagricus. Black; thorax yellow with black lines: legs pale, the first joint of the hind-tarsi thick.

Inhabits Austria. *Schranck. Aust.* p. 489. n. 1000.

Front silvery between the antennæ: abdomen with 3 ferruginous spots each side, the segments ferruginous at the tip: poisers and legs ferruginous: wings hyaline with black veins.

107. BOMBYLIUS. Mouth with a very long straight setaceous sucker, formed of 2 unequal horizontal valves and containing setaceous stings.

A. Feelers 2, hairy: antennæ united at the base.

* *Major.* Black with thick yellowish down; wings with a broad sinuate black outer margin. *Humble-bee.*
Donovan. il. tab. 66. Degeer. Inf. 6. tab. 15. fig. 10.
Reaum. 4. tab. 8. fig. 11—13. Mouff. Inf. 64. fig. 5.
Inhabits Europe, and hovers about flowers with a buzzing noise, extracting the nectar

Æqualis. Body covered with cinereous hair: wings with a broad equal black outer margin.
Inhabits North America; half the size of the last.

* *Medius.* Wings dotted with brown: body yellowish-brown, white at the tail.

Donovan. v. tab. 146. fig. 1. Degeer. 6. tab. 15. fig. 12.

Inhabits Europe, and appears early in the spring.

- Punctatus*. Wings black at the base with a whitish rib: body hairy black: thorax with a cinereous border: abdomen dotted with white.
Inhabits *Barbary*; large.
Front with snowy hairs: *sucker* and *antennae* black: *abdomen* with 2 lines of snowy dots beneath: *legs* black.
- Analys*. Wings black at the base: body hairy black with a snowy tail.
Inhabits the *Cape of good hope*; large.
Abdomen beneath fulvous at the base and snowy at the tip.
- Discoideus*. Wings black at the base with 2 snowy rib: thorax snowy with a black disk: abdomen black with a snowy tail.
Inhabits *Barbary*; large.
Head hairy snowy: *wings* with a white dot.
- Capensis*. Wings spotted with black: body cinereous, black at the end.
Inhabits the *Cape of good hope*.
- Nitidulus*. Wings dusky: body yellowish hairy and shining, the tail dusky: legs testaceous with black thighs.
Inhabits *Germany*; size of *B. minor*.
Head white hairy: *antennae* and *sucker* black.
- * *Minor*. Wings immaculate: body yellowish hairy: legs testaceous.
Reaum. Inf. 4 tab. 8. fig. 11—13. *Schaeff. Icon.* tab. 46. fig. 9.
Inhabits *Europe*; about half the size of *B. major*.
- Minimus*. Wings yellowish at the base: body yellowish hairy: *sucker* and legs black.
Inhabits *Germany*; half the size of *B. minor*.
Legs blackish: *wings* whitish, the tip browner.
- Cupreus*. Nearly naked, black: fore-lobe of the thorax fulvous: abdomen coppery with a dorsal line of fulvous dots.
Inhabits *Cayenne*.
Wings dusky: *legs* black, thighs pale beneath, hind-shanks compressed and fringed.
- Ater*. Wings half black at the base: body black: abdomen spotted with white.
Inhabits *Germany*. *Schaeff. Icon.* tab. 79. fig. 6.

- Maculatus.* Wings black at the base: body deep black: fore-part of the thorax and hind-part of the abdomen white.
Inhabits *Tranquebar*; size of the last.
Front whitish: *legs* black.
- Melanoccephalus.* Wings brownish at the base: body hairy yellowish with a shining silvery tail.
Inhabits *Barbary*; small.
Sucker black: *head* covered with black hairs: *wings* hyaline, browner at the base: *legs* black with testaceous shanks.
- Fuscus.* Blackish immaculate with brown wings.
Inhabits *Italy*. *Wings* darker at the base.
- Griseus.* Wings white with a brown base: body hairy: thorax black with white lines: abdomen grey.
Inhabits *Spain*, on composite flowers.
Thorax with 2 lines: *wings* white, the base at the thicker margin brown, with 2 white dots in the middle.
- Senilis.* Wings white immaculate: body black covered with cinereous hair.
Inhabits *South American Islands*; small.
Sucker long black: *front* white hairy: *legs* black.
- Virescent.* Wings white immaculate: body hairy greenish: *sucker* short.
Inhabits *Spain*. *Body* covered with greenish hairs.
- Pygmaeus.* Wings half black, the other half dotted with black: thorax brown with a white base and tip.
Inhabits *North America*; very small.
Abdomen hairy ferruginous: *legs* ferruginous.
- B. *Sucker* with 3 incumbent bristles: feelers 0: antennae approximate. Volucella.
- Florens.* Nearly naked, black: wings subferruginous at the base.
Inhabits *Barbary*.
- Auratus.* Hairy: thorax cinereous with 4 black lines: abdomen black with gold belts.
Inhabits *Barbary*; small. *Wings* immaculate.
- Verticolor.* Hairy, cinereous: abdomen with a gold spot: head and legs black.

Inhabits *Barbary*; less than the last.

Sucker black: wings white immaculate.

Albifrons. Black, front and wings white, the latter with a ferruginous rib: thorax villous: abdomen black, the segments behind cinereous each side.

Inhabits out of *Europe*. *Mus. Lesc. p. 135. n. 221.*

C. *Antennæ distant, the last joint subulate: feelers 2. Cytherea.*

Obscurus. Blackish with cinereous hairs: wings brown at the base. Inhabits *Barbary*. *Scutel* and *legs* deep black.

Aureus. Hairy; thorax brown: abdomen golden.

Inhabits *Barbary*; half the size of the former.

Head covered with gold hairs: *thorax* with gold hair at the sides: *abdomen* with tufts of hairs: *wings* brownish at the base, the tip whitish with 6 black dots: *legs* testaceous.

D. *Feelers 2, hairy; antennæ distant, the last joint setaceous. Anthrax.*

These have usually been arranged under the genus *Musca*, but on account of their wanting the fleshy proboscis, it was thought proper to remove them here. They might with propriety perhaps constitute a distinct genus.

Cerberus. Hairy, black: abdomen with a snowy band at the base and tip: wings varied with white and black.

Inhabits *South American Islands*.

Orbits snowy behind: fore and lateral margin of the *thorax* ferruginous hairy: *scutel* brown: *abdomen* with a small lateral snowy dot.

Nigrita. Brown; base of the wings black dotted with white: *scutel* piceous.

Inhabits *Italy* and *America*. *Degeer. Inf. 6. tab. 29. fig. 11.*
Abdomen with a white spot at the tip each side.

Hæruscus. Black with a white spot at the tail each side: wings white with a testaceous rib.

Inhabits *Italy*; large.

Lar. Hairy brown: abdomen with 2 white spots each side: wings black with a white marginal spot and tip.

Inhabits

Inhabits *Bengal*; large.

Scutel ferruginous : *tail* whitish.

- **Morio*. Hairy, black : wings black with hyaline tips.
 Inhabits *Europe*. *Degeer. Inf. 6. tab. 11. fig. 13.*
Reaum. Inf. 6. tab. 27. fig. 13. Schaeff. Icon. tab. 76. fig. 7.
- **Maurus*. Hairy, black with white bands : wings black with a sinuate hyaline thinner margin.
 Inhabits *Europe*. *Degeer. Inf. 6. tab. 11. fig. 11.*
- Afer*. Hairy, black with white bands: wings hyaline with a black base.
 Inhabits *Kiel* : resembles the last.
- Alginus*. Hairy, brown : segments of the abdomen with pale edges : wings dotted with black, brown at the base and whitish at the tip.
 Inhabits *Barbary*; larger than the last.
Head pale ferruginous : *scutel* ferruginous : *legs* dull testaceous.
- Holofericeus* Hairy, black : abdomen white at the sides : wings deep black at the base.
 Inhabits *Barbary*; size of *B. maurus*.
Head with a few cinereous hairs at the mouth.
- Varius*. Hairy, brown : abdomen varied with white : wings white dotted with black.
 Inhabits *France*; size of *B. maurus*.
Thorax a little ferruginous at the sides.
- Ethiops*. Hairy, black : wings black the tip white with 2 black dots: tail silvery.
 Inhabits *Italy*.
Wings dotted with white at the base.
- Capucinus*. Hairy, brown : abdomen spotted with white, the sides ferruginous : wings varied with white and black.
 Inhabits *North America*: less than the former ones.
Scutel ferruginous : *head* and *thorax* brown
- Satyrus*. Brown : abdomen black, the first segment white at the base, the 3 last at the sides.
 Inhabits *New Holland*; larger than *B. hottentottus*.

Inhabits

Thorax with ferruginous hairs on the fore-part: *wings* brown with a ferruginous outer-margin.

Belzebub. Black; segments of the abdomen with a ferruginous margin: wings brown on the lower half.

Inhabits *Hungary*; resembles *B. hottentottus*.

Mouth whitish: *thorax* with ferruginous hair before the wings: base of the *abdomen* a little ferruginous.

Tantalus. Hairy, fulvous: abdomen black with a white band: wings brown.

Inhabits *Tranquebar*; larger than *B. hottentottus*.

Head yellowish: first segment of the *abdomen* with fulvous hair at the sides: *legs* black.

* *Hottentottus.* Hairy, yellowish: wings hyaline with a brown rib.

Inhabits *Europe*. *Degeer*, *Inf.* 6. *tab.* 11. *fig.* 7.

Sylvanus. Brown: abdomen with white streaks: base of the wings brown with a white dot.

Inhabits *New Holland*. In the museum of Sir *Jos. Banks*.

Scutellum ferruginous: *wings* whitish: *legs* black.

Ixion. Hairy, cinereous: wings white immaculate.

Inhabits *Italy*: less than *B. hottentottus*.

Poisons yellow: *legs* black.

Sabæus. Hairy, black: segments of the abdomen whitish at the edges: wings white the outer margin black at the base.

Inhabits *Italy*: size of *B. hottentottus*.

Poisons terminated by a yellow dot: *legs* black.

2. Edges of the abdominal segments yellow at the sides.

Inhabits *Spain*.

Sphinx. Hairy, yellowish: wings brown: thighs testaceous.

Inhabits *East India*; larger than *B. Lucifer*.

Wings with a paler thinner margin: *hind shanks* testaceous above.

Lucifer. Hairy, yellowish; wings brown with a ferruginous base.

Inhabits *American Islands*: resembles the last.

Trogodyta. Hairy, brown; wings hyaline with a silvery marginal spot at the base.

Inhabits *East India*.

Abaddon. Black; thorax fulvous hairy: wings whitish, the rib a little darker.

Inhabits *Italy*; small.

Abdomen with a few streaks of whitish hairs at the edges of the segments: *legs* black.

108. HIPPOBOSCA. *Mouth* with a short cylindrical straight 2-valved sucker, the valves equal: *antennae* filiform: *feet* armed with numerous claws: *body* flat and hard.

**Equina.* Wings obtuse: thorax variegated: feet armed with 4 claws. *Horse-fly.*

Donovan. viii. tab. 261. fig. 1. *Reaum.* 2. tab. 197. fig. 8, 9.

Degeer. Inf. 6. tab. 16. fig. 1. *Sulz.* Inf. tab. 21. fig. 141.

Inhabits *Europe*, and is very troublesome to horses: they hide themselves under the hairs and attach themselves firmly to the skin, by means of their crooked nails.

Head brown: *thorax* brown varied with pale yellow: *wings* crossing each other, hyaline with a brown spot near the outer margin: *legs* annulate with yellow and brown.

**Avicularia.* Wings obtuse: thorax immaculate.

Donovan. viii. tab. 261. fig. 2.

Degeer. Inf. 6. tab. 16. fig. 21, 22.

Inhabits *Europe*, on the body of various birds, especially swallows.

Body dull brown with a slight cast of green.

**Hirundinis* Wings tapering to a point: feet with 6 claws.

Donovan. viii. tab. 268. fig. 1. *Reaum.* 4. tab. 11. fig. 1—5.

Inhabits *Europe*, on the bodies and in the nests of Swallows.

Body brown with a blueish cast: *abdomen* darker.

**Ovina.* Wings none: body dull testaceous.

Donovan. viii. tab. 268. fig. 2. *Frish.* Inf. 5. tab. 18.

Inhabits *Europe*, among the wool of Sheep.

Legs hairy, claws double.

Uralensis. Black, hairy with 3 rows of white shining vesicles on the back.

Inhabits *Ural*. *Lepech.* It. 1. tab. 19. fig. 9.

ORDER. VII. APTERA.

Wings none in either sex.

109. LEPISMA. *Lip* membranaceous rounded emarginate: *feelers* 4, 2 fetaceous and 2 capitate: *antennae* fetaceous: *body* imbricate with scales: *tail* ending in fetaceous bristles: *legs* 6, formed for running.

These in their various stages of existence prey upon sugar, decayed wood and rotten substances: the *larva* and *pupa* are 6-footed active and swift.

**Saccharina*. Scaly, silvery lead-colour with a triple tail.

Barbut's Inf. tab. 18. gen. 1. Sulz. Inf. tab. 22. fig. 142.

Inhabits *America*, among sugar, and is now naturalised in *Europe*, and found among old books and furniture: it runs exceedingly swift and is difficult to catch.

Body oblong tapering: *antennae* as long as the body: *tail* with 3 distant bristles, and 2 pair of lesser ones beneath.

**Polypoda*. Skipping: tail triple: segments of the abdomen villous each side beneath.

Inhabits *Europe*. *Donovan. Eng. Inf. v. tab. 162.*

Found on sandy sea-shores, among stones and rubbish, and takes prodigious leaps by means of the springs under its tail.

Body brownish or pale: *antennae* as long as the body: each segment of the *abdomen* armed with a spine each side at the margin beneath.

2. Tail ending in 5 bristles.

Lineata. Tail triple: body brown with 2 white fillets.

Inhabits *Helvetia*, in old walls.

Antennae as long as the body: *thorax* covered with 3 scales which are emarginate behind: *body* above brown with cinereous specks: *tail* villous, the middle spine longer, with a few shorter ones under it: *legs* short, thighs compressed.

Villosa. Brown with a triple villous tail.

Inhabits *China*: shorter and thicker than *L. saccharina*.

Head villous whitish: *body* beneath whitish: middle spine of the tail longer, beneath 2 short ones: *legs* short white.

Collaris. Black with a snowy band on the neck and end of the abdomen tail triple villous.

Inhabits *South American Islands*.

Antennae as long as the body, brown with a pale base: *head* whitish: under the *tail* 2 short bristles: *legs* pale.

Terrestris. Naked white with a triple tail.

Inhabits *Europe*. *Fn. Suec.* 1926.

Antennae obtuse, half as long as the body.

An indistinct species, and probably is rather a *Podura*.

Minutus. Yellow with a triple tail.

Inhabits *Denmark*. *Mull. Zool. Dan.* 2160.

The appendages of the tail are sometimes wanting.

110. PODURA. *Lip* bifid; *feelers* 4, subclavate: *eyes* 2, composed of 8 facets: *antennae* filiform: *body* scaly; *tail* forked, bent under the body and acting as a spring: *legs* 6 formed for running.

Spring-tail.

These feed on the leaves of various plants: the *larva* and *pupa* are 6-footed nimble and resemble the perfect insect.

Signata. Subglobular, brown: abdomen with fulvous spots at the sides.

In damp places. *Antennae* as long as the body.

**Viridis.* Subglobular, green with a yellowish head.

Inhabits *Europe*, on the leaves of the *Polygonum fagopyrum*.

**Polypoda.* Subglobular, black: antennæ as long as the body and tipped with white.

Inhabits *Europe*, on various plants.

**Atra.* Globular, shining brown: antennæ long, composed of many articulations.

Inhabits *Europe*. *Degeer. Inf.* 7. tab. 3. fig. 7, 8.

- * *Plumbea*. Round, brown with a blue gloss.
Inhabits *Europe*. *Degeer. Inf. 7. tab. 3. fig. 1.*
- * *Minuta*. Ovate, yellow with 2 ferruginous spots on the back.
Inhabits *Europe*, on plants.
- * *Nivalis*. Oblong, cinereous with black marks.
Inhabits *Europe*. *Degeer. Inf. 7. tab. 2. fig. 8.*
- * *Vaga*. Oblong, black ; abdomen and antennæ with a white band.
Inhabits *Europe*, in woods.
- * *Arborea*. Oblong, black with white legs and fork.
Inhabits *Europe*. *Degeer. Inf. 7. tab. 2. fig. 1, 2.*
- * *Villosa*. Oblong, villous, variegated with brown and black.
Inhabits *Europe*. *Sulz. Hist. Inf. tab. 29. fig. 2.*
- Cincta*. Cylindrical, grey with a black belt which is white on the fore-part.
Inhabits woods of *Europe*.
- Annulata*. Livid with black rings.
Inhabits *Europe*, in woods.
- Lignerum*. Lead-colour with pale head thorax legs and fork.
Inhabits *Europe*, in old wood : small.
Mouth and antennæ black : abdomen lead-colour with a snowy fork.
- Pufilla*. Cylindrical, bronzed with a white fork.
Inhabits woods of *Europe*.
- * *Aquatica*. Black, aquatic.
Inhabits *Europe*. *Degeer. Inf. 23. tab. 2 fig. 14, 15.*
Assembles in troops, early in the morning, on the banks of pools and fish-ponds.
- * *Fimetaria* White, terrestrial.
Inhabits *Europe*. *Schrank. Beytr. 47. tab. 8. fig. 1.*
Found early in the spring in fresh earth.
Tail unarmed, and skips very weakly,
- * *Ambulans*. White with a bifid extended tail.
Inhabits *Europe*, among Moss, *Degeer. Inf. 7. tab. 3. f. 5.*

- Monura.* Whitish with an undivided conic tail.
Inhabits *Austria*. *Schranck. Inf. Aufl. p. 497. n. 1018.*
Found with the last which it resembles, but is less.
Back with a brownish line running down it.
- Rufescens.* Reddish-yellow, villous; eyes black: fork whitish.
Inhabits *Austria*. *Wulfen. Schr. Naturf. Ges. 8. p. 85.*
Found among stones. *Body* linear round with a subglobular inflected head: *thorax* narrow: *antennæ* half as long as the body, of 4 articulations.
- Viridis.* Subcylindrical, yellow-green with black eyes.
Inhabits *Norway*. *Mull. Zool. Dan. 2161.*
- Motitans.* Long, red with an extended tail; *antennæ* and legs hyaline.
Inhabits *Denmark*. *Mull. Zool. Dan. 2169.*
- Sylvatica.* Cylindrical, grey-brown: tail pointed and unarmed.
Inhabits woods of *Denmark*. *Mull. Zool. Dan. 2170.*
- Femoralis.* Oblong, cinereous; tip of the *antennæ* and legs white: tail sulphur.
Inhabits *Denmark*. *Mull. Zool. Dan. 2171.*
- Aquatilis.* Cylindrical, yellowish with black eyes back and sides of the abdomen.
Inhabits *Denmark*. *Mull. Zool. Dan. 2172.*
- CrySTALLINA* Body entirely hyaline.
Inhabits *Denmark*. *Mull. Zool. Dan. 3173.*
- Longicornis* Cylindrical, yellowish: *antennæ* as long as the body and with the legs cinereous.
Inhabits *Denmark*. *Mull. Zool. Dan. 2174.*
- Palustris.* Yellowish with black eyes and line down the back; fork white.
Inhabits *Denmark*. *Mull. Zool. Dan. 2175.*
- Lanuginosa* Silvery-gilt covered above with blue wool: *antennæ* recurved.
Inhabits *Denmark*. *Mull. Zool. Dan. 3176.*
- Crassicornis* Dull blue, cylindrical and growing thicker towards the tail: *antennæ* thick.
Inhabits *Denmark*. *Mull. Zool. Dan. 2177.*

Humicola. Blue-brown: antennæ short thick: body cylindrical and growing thicker towards the tail.

Inhabits Greenland. *Fabr. Fn. Groenl. p. 212. n. 179.*

Maritima. Blueish-black with a whitish abdomen: body nearly round and growing thicker towards the tail.

Inhabits Greenland. *Stroem, Aët. Hafn. 9. p. 582. tab. 5. ?*

111. TERMES. *Mouth* with 2 horny jaws: *lip* horny, 4-cleft, the divisions linear and acute; *feelers* 4, equal filiform; *eyes* 2.

These insects might with equal propriety be arranged under the Order *Neuroptera* or *Hymenoptera*; most of them having either 2 or 4 wings in the perfect state.

A. *Antennæ moniliform.*

Fatale.

Body above brown: thorax with 3 segments; wings pale with a testaceous rib. *White-ant.*

Philos. Transact. Vol. 71. part. i. tab. 10. fig. 1. 2. 3.

Degeer. Inj. 7. tab. 37. fig. 1. 2. 3.

Forsk. Ann. tab. 25. fig. A.

The animals of this extraordinary community, far exceeding in wisdom and policy the Bee, the Ant or Beaver, are inhabitants of *East India, Africa and South America.* They build pyramidal structures, 10 or 12 feet in height, and divided into appropriate apartments, magazines for provisions, arched chambers and galleries of communication. These are so firmly cemented that they easily bear 4 men to stand upon them; and in the plains of Senegal, appear like the villages of the natives.

With such wonderful dexterity and rapidity, they destroy food furniture, books, clothes and timber of whatever magnitude, leaving a mere thin surface; that in a few hours, a large beam will be eaten to a mere shell, not thicker than writing paper.

Larva small, about $\frac{1}{4}$ of an inch long. 6-footed, pale with a roundish testaceous head, eyes o, mandibles short strong and toothed, antennæ as long as the thorax and ovate abdomen.

These only are the labourers, who build the structures, procure provisions for the males and females, and take care of the eggs: they are the most numerous.

Pupa larger, about $\frac{1}{2}$ an inch long, with a very large ovate polished testaceous head; eyes o; mandibles projecting, as long

the head, forked, without teeth, sharp and black : thorax and abdomen palish.

These never work, but act as superintendants over the labourers, or as guards to defend their habitations from intrusion and violence. When a breach is made in the dwelling, they rush forward and defend the entrance with great ferocity ; some of them beating with their mandibles against any hard substance, as a signal to the other guards, or as encouragement to the labourers ; they then retire and are succeeded by the labourers, each with a burthen of tempered mortar in his mouth, and who diligently set about to repair whatever injury has been sustained. One of these attends every 6 or 800 labourers who are building a wall, taking no active part himself, but frequently making the noise above mentioned, which is constantly answered by a loud hiss from all the labourers, who at this signal evidently redouble their diligence.

The *Male* and *Female* are alike and furnished with a long horizontal wings : head small brown : mandibles short acute toothed : antennæ yellowish ; eyes globular prominent black : thorax with 3 brown or dull testaceous margined segments : abdomen ovate, the back brown with white streaks ; legs palish.

These are extricated from the pupa state and fly abroad in the night ; but soon after sun-rise, the wings become dry and they fall on the ground, and are devoured by birds or sought after by the inhabitants who roast and eat them with great avidity. A few that survive are collected by the labourers or larvae and inclosed by pairs in apartments made of clay, the aperture of which is narrowed so that they cannot migrate, and where they are diligently fed and attended by the labourers whose bodies are small enough to admit an easy entrance.

After impregnation, the abdomen of the *female* grows to a prodigious bulk, exceeding the rest of her body nearly 2000 times : it is then vesicular and white with transverse brown spots and an undulate or slightly lobed margin. In this state it contains an immense number of small round brown eggs, which are protruded to the amount of 8000 in 24 hours. These are instantly taken up by the labourers, and conveyed to separate chambers, where after they are hatched, the young are attended and provided for, till they are able to shift for themselves, and take their share in the labours of the community.

Destructor. Body above testaceous ; head black ; antennæ yellow.

Degeer. 3. tab. 21. fig. 6, 7. *Act. Berol.* 4. tab. 1. Larva.

Inhabits *America India* and *Africa*: builds an ovate thick nest about the branches of trees • resembles the last in its manners and is about half the size.

Larva pale brownish : head black conic and tapering to a point ; eyes o.

Morio.

- Merio.* Blackish with testaceous mouth and legs: wings black.
 Inhabits *Cayenne*. *Degeer, Inf. 3. tab. 21. fig. 4, 5. ?*
Head flat, mandibles tipt with black: *wings* thrice as long as the body, black immaculate.
- Arda.* Black; segments of the abdomen tipt with white: legs pale.
 Inhabits *Sierra Leona*, and resembles in its æconomy the *T. fatale*; builds a cylindrical nest, 2 or 3 feet high, of brown clay and vegetables mixed up together, with a round vaulted dome surrounded by a prominent terrace.
Larva or labourer with a pale head; eyes 0; mandibles short toothed; thorax and abdomen ovate grey-lead-colour: *legs* testaceous.
Pupa or guard with a very large testaceous head, elevated and gibbous before and ovate extended obtuse behind; mandibles projecting forked; antennæ testaceous, as long as the head; eyes 0: *thorax* small; *abdomen* ovate, grey-lead-colour; *legs* testaceous.
Perfect Insect less than the former ones with incumbent black wings and pale testaceous legs.
- Mordax.* Black; segments of the abdomen tipt with white: legs black.
 Inhabits *Sierra Leona*; builds cylindrical houses like the last, of which it is perhaps only a variety.
Wings shorter with a brown outer margin.
Larva and *pupa* like the last but always less.
- Flavicelle.* Dull piceous with yellow thorax and legs.
 Inhabits *Barbary*; larger than the last.
Head piceous: *mouth* and *antennæ* yellow: *wings* twice as long as the body, dusky with a piceous rib.
- B. *Antennæ setaceous.* Hemorobius. *Fabr.*
- Capense.* Pale yellow: wings hyaline edged with brown.
Degeer, Inf. 7. tab. 38. fig. 1—3.
Act. Berol. 4. tab. 1. fig. 8. Larva.
 Inhabits *India* and *America*. An indistinct species.
Larva furnished with 2 black eyes and wanders about in the day time like the common ant.
- Pulsa-*
torium. Apteroous; abdomen oblong: mouth red: eyes yellow.
Barbut's Inf. tab. 18. Gen. 3. Degeer, Inf. 7. tab. 4. fig. 1.
Bradl. Nat. tab. 27. fig. 3. Sulz, Hist, Inf. tab. 29. fig. 3.
 Inhabits *Europe* and *America*, in old wood, decayed furniture, museums and neglected books, and is rarely found with wings.

The *female* beats like the ticking of a watch, and is often mistaken for the *Ptinus pulsator*.

Fatidicum. Apterous; abdomen ovate: mouth pale: eyes brown.
Inhabits *Europe*. *Frisch. Inf.* 11. p. 2. tab. 10.
Resembles the last but is a little larger.

Divinatorium. Abdomen transversely furrowed: mouth brown: eyes black.
Mull. Zool. Dan. 2179. *Fabr. Fn. Græn. p.* 214. n. 181.
Found in books, and is extremely active. *Body* whitish.

112. PEDICULUS. *Mouth* with a retractile recurved sucker without proboscis: feelers 0: *antennæ* as long as the thorax: eyes 2; abdomen depressed; legs 6, formed for running. *Louse*.

These live by extracting animal juices: the *larvæ* and *pupæ* are 6-footed and nimble, resembling the perfect insect.

* *Humanus*. Abdomen lobed cinereous.
Baker Micr. tab. 13. fig. 4. *Barbut Inf. tab.* 18. Gen. 4.
Albin Aran. tab. 42. *Swamm. Bib. tab.* 1. fig. 3—6.
Found in the heads and on the garments of such as are naturally uncleanly, especially boys.

* *Pubis*. Abdomen emarginate behind: legs cheliform. *Crab-louse*.
Redi Exper. tab. 19. fig. 1.
Found on the groin and eyebrows of uncleanly men.
Antennæ of 5 articulations: *abdomen* hairy behind.

Ricinoides. Abdomen orbicular with a white line: scutel 3-lobed: sucker white.
Inhabits *America*, and gets into the legs of the naked inhabitants, where it draws blood and depositing its eggs in the wound, occasions foul and malignant ulcers.
Body reddish: *sucker* armed with small hooks beneath.

Suis. Found on the bodies of Swine.
Fn. Suec. 1942.

Porcelli. Found on the body of the *Cavia Cobaya* or Guinea-pig.
Fn. Suec. 1943.

Cameli.

- Cameli.* Head projecting pointed: body ferruginous abdomen ovate.
On the Camel. *Red. Exp. tab. 22. Oper. tab. 25.*
- Cervi.* On the Stag and Deer.
Redi. Exp. tab. 5. Frisch. Inf. 12. tab. 5.
- * *Ovis.* On the body of the Sheep.
Redi. Exper. tab. 22. fig. 1.
- Bubali.* Yellowish with dusky-brown streaks: abdomen with 10 conic marginal tubercles.
On the Buffalo. *Degeer. Inf. 7. tab. 1. fig. 11, 12.*
- * *Bovis.* Abdomen with 8 transverse ferruginous lines.
On the bodies of Cattle.
- * *Vituli.* Abdomen lead-colour and pointed at the end.
On the bodies of Heifers and Cattle.
- * *Equi.* On the body of the Horse.
- * *Asini.* Head projecting obtuse: abdomen ovate brown: legs cheliform.
Albin. Aran. tab. 76. fig. 51. Red. Exp. tab. 22. fig. 1.
On the body of the Ass.
- Vulturis.* Oblong; abdomen brown with 2 yellowish lines.
Inhabits *East India*, on the Vulture: large.
Head flat yellowish with black margins: *thorax* yellowish with a black margin and dorsal line.
- * *Tinnunculi* Head arrow-shaped and mucronate each side behind.
Albin. Aran. tab. 43. Redi Exper. tab. 13.
On the *Falco tinnunculus* or Kestrel.
- * *Buteonis.* Abdomen margined, the segments with 2 impressed dots each side.
On the *Falco Buteo*, or Buzzard.
Head brown: *thorax* smooth with 3 black lines; *abdomen* ovate.
- Strigis.* Abdomen ovate white edged with red: legs red.
On various species of the *Strix* and *Falco*.
- * *Corvi.* Abdomen ovate with a striate margin.
Degeer Inf. 7. tab. 4. fig. 11. Red. Exp. tab. 16. fig. 2.
On various species of Crow.

- Cornicis.* Abdomen ovate pale, with lateral black spots in which is a white pupil.
On the common crow.
- Infaufti.* Thorax narrow; abdomen ovate pale diaphanous.
On the *Corvus infauftus*.
- * *Pica.* Head obtuse brown with 4 black dots.
Albin. Aran. tab. 76. fig. 45. Red. Exp. tab. 5.
On the *Corvus Pica* or Magpie.
- Orioli.* White with a brown line on the abdomen.
On the Roller and Oriole.
- * *Cuculi.* Abdomen oblong whitish with brown bands.
On the *Cuculus canorus* or Cuckow.
- Cygni.* Head emarginate: abdomen ovate, the margin striate with black.
On the Swan. *Albin. Aran. 76. tab. 58.*
- * *Anseris.* Filiform; pale, the margin dotted with black.
Albin. Aran. tab. 76. fig. 58, Red. Exp. tab. 10.
On the wild and tame Goose.
- Moschata.* On the *Anas moschata* or Muscovy duck.
Redi Exper. tab. 9. fig. 1.
- Querquedulae.* On the *Anas querquedula* or Garganey.
Redi Exper. tab. 12.
- Mergi.* Whitish with a yellowish head: body long.
On the *Mergus serrator*. *Degeer. Inf. 7. tab. 4. fig. 13.*
- Procellariæ* Long, filiform, brown with pale legs.
Inhabits *Brazil*, on the *Procellaria* or Petrel.
- Vagelli.* Ovate, pale: thorax with 2 brown lines.
On the *Procellaria glacialis*; large.
- Diomedæ.* Head obtuse; body white: sides of the abdomen black.
Inhabits *Brazil*, on the *Diomedæ* or Albatross.
Head obtuse rounded entire whitish with a blackish fore margin:
abdomen slightly lobed, white with broad black sides: legs
white.

- * *Sternae*. Head triangular: abdomen ovate pale, the back longitudinally blackish.

Degeer. Inf. 7. tab. 4. fig. 12. Redi Exp. tab. 9. fig. 2.
On various species of the Tern and Gull.

- Plataleae*. On the *Platalea leucorodia* or Spoon-bill.

- Ardeae*. On various species of the Crane.
Redi Exper. tab. 6.

- Gruis*. Abdomen subclavate pale with snowy spiracles.
Red Exper. tab. 3. Red Oper. tab. 19. Frisch. 5. tab. 4.
On Storks and Herons

- Ciconiae*. Long, filiform: abdomen white, the sides dotted with black.
On Storks. *Frisch. Inf. 8. tab. 6.*

- * *Charadrii* On the *Charadrius pluvialis* or Golden Plover.
Redi Exper. tab. 9.

- Fulicae*. On the *Fulica atra* or common Coot.
Redi Exper. tab. 4.

- * *Recurvirostrae*. Oblong, brown with a triangular grooved head.
On the *Recurvirostra* or Avocet.

- * *Hæmatopi* Glaucous; thorax very narrow: abdomen ovate with pale incifures.
On the *Hæmatopus ostralegus* or Sea-pie.

- * *Parvonis*. Head globular and very large: body striate with pale and brown.
On the Peacock. *Albin. Aran. 76. tab. 47.*
Redi Exper. tab. 15. Frisch. Inf. tab. 3. fig. 6.

- * *Meleagridis*. Head triangular obtuse: abdomen ovate grey.
On the Turkey. *Frisch. Inf. 8. tab. 4.*

- * *Gallinae*. Thorax and head mucronate each side.
On Poultry: is destroyed by pepper.

- Phasiani*. Head ovate large: abdomen globular obtuse.
On the Pheasant. *Redi Oper. 1;*

- **Caponis*. Abdomen edged with black.
Redi Exp. tab. 16. fig. 1. Frisch. Inf. 11. tab. 24.
 On common Poultry.
- Tetraonis*. On the Tetrao Tetrix or Black-game.
Redi Exper. tab. 14.
- Lagopi*. On the Tetrao lagopus or Ptarmigan.
- **Columbae*. Body filiform, ferruginous and clavate behind.
Albin Aran. tab. 43. Redi Exp. tab. 2. fig. 1.
 On the common Pigeon.
- **Emberizæ* Pale brown: abdomen whitish with lateral brown spots:
 head triangular.
 On the Bunting. *Degeer. Inf. 7. tab. 4. fig. 9.*
- **Pari*. Body ovate, tail ending in 4 bristles.
Frisch. 8. tab. 1. fig. 5. Schr. Beyt. tab. 1. fig. 36.
 On various species of Parus or Tit-mouse.
- Motacillae*. Head heart-shaped rufous: abdomen white and tapering
 at the base.
 On the motacilla or Wag-tail.
- **Hirundinis* Palish; abdomen black spotted with white.
 On the Hirundo apus or Swift.
Abdomen bristly at the sides.
- Gryllotalpæ* Blood-red with white legs.
 On the Acheta Gryllotalpa or Mole-cricket.
Sucker long inflected black: *body* red immaculate.
- **Apis*. Body filiform ferruginous.
 Inhabits Europe, on Bees. *Frisch. Inf. 8. tab. 16.*
- Farionis*. On the Salmo fario or Trout.
 Inhabits Norway. *Fn. Suec. 1964.*
- Musculi*. White; thorax large and 2-lobed behind: abdomen sinuate
 and 2-toothed
 On the common Mouse. *Schrank. Inf. Auf. p. 501.*
Body very small and diaphanous.

- Anatis.* Whitish: first segment of the thorax round and truncate each side, the next and abdomen linear and long.
On the wild Duck. *Schranck. Aufl. p. 503. n. 1026.*
- Ortygometrae.* Oblong with a heart-shaped head: thorax narrow: segments of the abdomen bristly with large spotted spiracles each side.
On the Land Rail. *Schranck. Aufl. p. 503. n. 1027.*
- Alaudae.* On the *Alauda arvensis* or Sky-lark.
Schranck. Inf. Aufl. p. 506. n. 1032.
- Sturni.* On the *Sturnus vulgaris* or Starling.
Schranck. Inf. Austr. p. 506. n. 1033.
- Curvirostrae.* On the *Loxia curvirostra* or Grosbeak.
Schranck. Inf. Aust. p. 506. n. 1034.
- Pyrrhulæ.* On the *Loxia pyrrhula* or Bullfinch.
Schranck. Inf. Aust. p. 506. n. 1035.
- Chloridis.* On the *Loxia chloris* or Greenfinch.
Schranck. Aust. p. 506. n. 1036.
- Citrinellæ.* On the *Emberiza citrinella* or Yellow-hammer.
Schranck. Inf. Aust. p. 507. n. 1037.
- Currucæ.* On the *Motacilla curruca* or Babbling Warbler.
Schranck. Inf. Aust. p. 507. n. 1038.
- Rubeculæ.* On the *Motacilla rubecula* or Red-breast.
Schranck. Inf. Aust. p. 507. n. 1039.

113. PULEX. *Mouth* without jaws or feelers, with a long inflected proboscis covered at the base with 2 ovate laminae, the sheath 2-valved, 5-jointed and concealing a single bristle: *lip* rounded and fringed with reflected prickles: *antennae* projecting moniliform: *eyes* 2: *abdomen* compressed: *legs* 6, formed for leaping.

Flea.

* *Irritans*. Proboscis shorter than the body.

Baker Microf. tab. 13 fig. 6: Burbut. Inf. tab. 18.

Lederm. Microf. 4. tab. 20. Sulz. Inf. tab. 22. fig. 146.

Inhabits *Europe* and *America*, and is a well-known and troublesome insect in every family. The eggs are smooth and slippery, and deposited at the base of the hairs of animals and on blankets &c.

The larva without feet cylindrical active and furnished with 2 spines under the tail: pupa quiescent and inclosed in a small downy follicle.

At *Surat* an hospital is endowed for these and other vermin, where every day, some poor wretch for hire suffers himself to be fastened down and preyed upon.

P. z. trans. Proboscis as long as the body.

Chigoc.

Inhabits *South America*. *Catesby Carol. 3. tab. 10. fig. 3.*

This insect is very troublesome in the Sugar colonies, penetrating into the skin of the inhabitants, where it lodges its eggs and causes malignant and often fatal ulcers.

Body reddish-brown: abdomen of the female when gravid, orbicular and swollen to near an 100 times its usual size.

114. ACARUS. Mouth without proboscis; the sucker with a cylindrical 2-valved sheath: feelers 2 compressed and as long as the sucker; eyes 2, placed on the sides of the head: legs 8. Tick.

A. Antennæ filiform, resembling legs.

Elephantinus. Orbicular depressed, livid with an ovate black spot at the base.

Inhabits *India*. *Schranck. Beytr. 128. tab. 6. fig. 14. 15.*

Groffius. Ovate, a little depressed, olive-brown with very fine curved striæ: scutell blackish with a coppery-gold base and tip.

Pallas Spicil. Zool. 9. p. 43. tab. 3. fig. 12.

Inhabits animals of *South America*: very large.

Probably a mere variety of the last.

* *Ricinus.* Globular ovate livid with a round brown spot at the base.

Dog-tick.

On Dogs. *Degeer. Inf. 7. tab. 5. fig. 16, 17.*

Reduvi.

**Reduvius*. Oval flat livid with a round brown spot at the base.
On Dogs and Cattle. *Degeer. Inf. 7. tab. 6. fig. 1, 2.*

Pallipes. Oval brown : antennæ and legs pale.
Inhabits *Kiel* ; size of *A. Ricinus*.

Hispanus. Oval, black ; legs ferruginous with white joints.
Inhabits *Barbary* ; larger than *A. sanguisugus*.

Sanguisugus Oval, flat, black : abdomen ferruginous : antennæ clavate.

Inhabits *Norway* ; on Man and various animals.

Head small round glossy-black : sucker short subulate : antennæ as long as the sucker, the last joint ovate : thorax black with a whitish margin and rounded behind.

Reflexus. Oval depressed pale with a reflected margin, and darker on the disk.

Inhabits *Italy*. Disk unequally browner,

Ægyptius. Oboval black, with a white margin.
Inhabits *Egypt*.

Undatus. Orbicular black, the sides unequally white with a black dot.

Inhabits *New Holland*. Museum of Sir *Jos. Banks*.

Head dull ferruginous : trunk yellowish : body above black with a white spot in the middle : legs reddish.

Lipkensis. Oval brown with a thickened margin.
Inhabits *Germany* : small.

Marginatus Oblong depressed brown with a white margin.
Inhabits *France* : small, with an elevated margin.

Iguanae. Oval flat rufous with gold spots : margin of the abdomen with crenate striæ.

Inhabits *America*, on the gular pouch of the *Iguana*.

Auratus. Orbicular, flattish, with gold spots : body with numerous impressed dots above : abdomen slightly crenated.

Naturalist's Miscellany. iv. tab. 128.

Found on the Coluber *Naja*.

Body pale greenish-brown with minute black impressed specks : edge of the abdomen slightly indented.

Rhombeatus

Rhombeatus Roundish, brown with a slightly crenate margin : thorax each side with a large rhombic laterally diffracted whitish spot speckled with brown.

Naturalist's Miscellany. ix. tab. 335.

Found on a large Serpent in the British Museum.

**Lepidopterorum*. Ovale subferruginous with clavate bristles on the body and thighs : legs long setiform.

Natur. Miscellany. vi. tab. 187.

Found on the lower surface of the wings of a moth.

About the size of *A. Siro*. Body oval depressed and pointed forwards : feelers very thick terminated by a long incurved claw and surrounded with bristles.

Cayennensis Oval, flat varied with grey and white, the hind-margin with 10 raised lines.

Inhabits *Cayenne*; size of *A. ægyptius*.

Trunk flat and with the antennæ grey : legs grey.

Lineatus. Oval, ferruginous with 2 white waved lines,

Inhabits *America*; size of the last.

Body punctured : legs with white joints.

Aureolatus Ovate, brown with 2 green-gold lines and palmate spot behind.

Inhabits *America*. *Pall. Spic. Zool.* 9. tab. 3. fig. 10.

Holjatus. Oval flat ferruginous with a brown thorax.

Inhabits *Kiel*; size of the former ones. Legs dusky.

Reticulatus Oval ferruginous, subreticulate with white lines.

Inhabits *France*. Margin a little elevated and striate.

Indus. Oval ferruginous with an oval black spot at the base.

Inhabits *India*: longer than *A. Ricinus*.

Americanus Oboval reddish with white scutel and joints of the legs.

Inhabits *America*, on Cattle. *Degeer*, 7. tab. 37. fig. 9. 10.

Vibrans, Roundish, testaceous immaculate : fore-legs very long.

Inhabits *Cayenne*; minute.

**Crassipes*, Second pair of legs very long.

Schrank, Beytr. 123. tab. 6. fig. 4.

Inhabits *Europe*, in gardens and is gregarious.

- **Vespertionis*. Thorax angular cruciate ; legs furnished with claws and as long as the body.
On the common Bat. *Frish. Inf. 7. tab. 7.*
- **Passerinus* Third pair of thighs very thick.
Baker. Micr. tab. 14. Degeer. Inf. 7. tab. 6. fig. 12.
On various species of Sparrow.
- Motatorius* Yellow : first pair of legs very long and in continual agitation.
Found on Fungi. *Schranck. Beytr. 8. tab. 1. fig. 8, 9.*
- **Coleoptretus*. Black with angular sharp sides.
Under the bark of trees. *Degeer. 7. tab. 8. fig. 6.*
- Aphidiodes* Red: first pair of legs formed for running ; abdomen 2-horned behind.
In old wood: *Schranck. Beytr. tab. 1. fig. 33, 34.*
- **Telarius* Reddish-hyaline with a brown spot each side the abdomen.
Degeer. Inf. 7. tab. 7. fig. 20—25.
Schranck. Beytr. 35. tab. 1. fig. 31—33.
Inhabits Europe, and spins a web on the bark of trees, from the top to the bottom of the trunk, which being dispersed by the winds, covers the fields with innumerable threads.
- **Siro*. Whitish with ferruginous head and thighs : abdomen bristly.
Mite.
Degeer. Inf. 7. tab. 5. fig. 15, Bonann. Micr. fig. 112.
Leuvenk. Epist. 77. tab. 370. fig. 9, 10.
In cheese and meal which has been kept too long.
- **Domesticus* White with 2 brown spots ; body ovate, contracted in the middle : legs equal,
Inhabits Europe, in houses. *Degeer. Inf. 7. tab. 5. fig. 1—4.*
This is perhaps only a variety of the last.
- **Scabiei*. White with reddish legs, the 4 hind-ones with a very long bristle.
Itch-insect.
Baker. Microsc. p. 193. tab. 13. fig. 2. a, b, c.
Degeer. Inf. 7. tab. 5. fig. 12, 13. Rivin. prur. 18. fig. A, B.
Found in the small pellucid vesicles with which the hands and joints of persons infected with the Itch are covered. It appears to be the cause of the disorder, and occasions its being so highly infectious.
A. exulcerans of *Linne* is the same animalcule.

Laëis. Abdomen ovate obtuse with 4 declined bristles as long as the body on the hind-part.

Found in Cream which has been kept too long, and in milk-pails which are not kept properly clean.

Body hyaline : *propodeis* and *legs* testaceous.

Dysenterica Legs with 2 bristles : abdomen ovate with 4 horizontal bristles as long as the body.

Found in wooden vats where beer has been kept.

**Geniculatus*. Black : joints of the thighs subglobular.

On the dead branches of Trees. *Schr. Beytr. tab. 6. f. 9, 10.*

**Baccarum*! Abdomen distended, red with darker sides.

Schæff. Icon. tab. 27. fig. 1. Schrank. Beytr. tab. 1. fig. 30.

On Gooseberries Currants and Plumbs.

Thorax with a brown dot each side.

Zesterae. Roundish and whitish with a rufous abdomen.

On Fuci in the Norway Seas : small.

Head and thorax whitish : abdomen red : legs white.

**Muscarum* Abdomen rufous : hind-legs very long and filiform.

On Flies. *Degeer. Inf. 7. tab. 7. fig. 1.*

Batatas. Rather rough and red : fore-legs as long as the body.

Inhabits *America*, on the Potatoe.

**Gymnoterorum*. Abdomen red with 2 scarlet spots each side.

Degeer. Inf. 7. tab. 7. fig. 9. Reaum. 5. tab. 38. fig. 1—3.

Found on Bees, Wasps and Afili.

**Coleoptoratorum*. Oval, rufous with a whitish tail.

Donovan. i. tab. 11. Frich. Inf. 4. tab. 10.

Rees. Inf. 4. tab. 1. fig. 10—15. Degeer. 7. tab. 6. fig. 15.

On the bodies of various species of Beetle.

Carabicum Hyaline yellowish with an elevated chestnut spot on the back.

Inhabits *Kiel*: on the bodies of *Carabi*.

Body small : antennae and legs darker.

**Phalangii* Ovate, red : trunks projecting : legs long.

On the bodies of Spiders. *Degeer, Inf. 7. tab. 7. fig. 5.*

- Phaetonis*. Ovate and pointed behind : legs fasciculate at the tip.
In the museum of Sir *Jos. Banks*. *Fig. pict.*
Inhabits the *Southern Ocean*, on the *Tropic-bird*.
- **Rufescentis*. Brown with a 2-coloured dorsal line.
Inhabits *Europe*. *Schranck. Beytr. 9. tab. 1. fig. 11, 12.*
Body brown with a line down the back which is sometimes red and sometimes white, but generally whitish on the upper half and red behind,
- **Longicornis*. Red: antennæ bifid and longer than the sucker.
Inhabits *Europe*, among stones. *Barbut. Inj. tab. 18. Gen. 6.*
Body oblong with a sharp-pointed head and snout: antennæ forked at the end, the inner division shorter.
- **Littoralis*. Oval red with a projecting subulate snout.
Found on the Sea-shore among stones.
Antennæ 4-jointed filiform : abdomen with a few impressed dots each side.
- Fucorum*. Pale with 2 flexuous black lines : hind-legs very short incurved.
Inhabits the *Norway Seas*, on *Fuci*.
- **Fungorum*. Reddish-brown : abdomen subglobular immaculate.
On Fungi. *Schranck. Beytr. 127. tab. 6. fig. 11, 12.*
- Tremellæ*. Body subglobular blueish-black.
Found on the *Tremella juniperina*.
- Salicinus*. Red with a double brown dorsal line which is forked on the fore-part.
Found on the *Willow*, and is very nimble.
- Crocens*. Fulvous with a rufous dot at the sides of the thorax.
Found on protuberances of the *Willow*.
- Ambulanti-um*. Abdomen crenate behind : scutell ovate subfulvous : sucker 3-parted.
Iutebucu. Marcgr. Bras. 245.
Inhabits *America*, and is very troublesome to the natives, by getting into their legs and causing painful itchings.
Fore-legs armed with short spines.
- Scaber*. Cinereous depressed with rough sides.
Found early in the spring on the ground, *Fn. Suec. 1998.*

- Rufipes.* Ovate white, the fore-part crustaceous and ferruginous: legs ferruginous.
Inhabits Europe. *Mus. Lesk. p. 136. n. 231.*
- Lichenis.* First and fourth pair of legs very long, second pair very thick.
Schranck. Inf. Austr. p. 510. n. 1048.
Found on the under surface of the *Lichen caninus.*
- Lencurus.* Second pair of legs very thick: body testaceous with a paler tail.
On dead bodies, *Schranck. Aust. p. 510. n. 1050.*
- Locusta.* Body with 4 bristles behind and as many at the sides.
On the *Parus cceruleus.* *Schranck. Aust. p. 510. n. 1050.*
- Conservae* Ovate brown; second joint of the legs very small, third armed with a long bristle at the tip.
Schranck. Inf. Aust. p. 511. n. 1054.
Found on the filaments of the *Conserva*, under water, and perishes when taken into the air.
- Gadaverum* Body nearly 2-lobed, with 4 bristles behind longer than the body.
In the carcases of Insects. *Schr. Aust. n. 1055.*
- Destructor* Ovate with numerous long bristles at the tail and one at each of the feet.
Schranck. Inf. Aust. p. 512. n. 1057.
Found in the bodies of Insects and other subjects of Natural History which are kept in too moist a place: is more destructive to Museums than even the *Ptinus Fur*, and not visible to the naked eye.
- Eruditus.* First pair of legs very thick and chelate, second pair very long with 2 bristles at the tip.
Schranck. Inf. Aust. p. 513. n. 1058.
Found in books kept in damp places, particularly about the backs, where the sheets have been glued together: is very injurious and not visible without the help of a glass.
- Alaudae.* Tail emarginate behind.
On the *Alauda arvensis.* *Schr. Aust. p. 515. n. 1060.*
- Graminum.* Rufous: first pair of legs very long: abdomen crenate behind.

Schr. Inf. Aust. p. 515, n. 1061.

On the leaves of Plants, which it covers with small spots.

Appendiculus,

Subglobular, scarlet with long paler legs, the hind-ones longer.

On the Lichen pulmonarius. *Schr. Aust. n. 1065.*

Vitis.

Ovate red bristly: legs equal, with a few scattered bristles.

On the Vine. *Schranck Inf. Aust. p. 519, n. 1067.*

Piger.

Red with paler legs: abdomen with short black bristles behind.

On Moss. *Schranck. Aust. p. 519, n. 1068.*

Denticulatus,

Body with 4 teeth on the fore-part.

Schranck Inf. Aust. p. 520, n. 1070.

Found among potted Ortolans.

Testudinarius.

Abdomen nearly smooth and globular when in motion.

On the ground. *Schranck Inf. Aust. p. 520. 1072.*

Rubens.

Red: ovate-oblong: legs nearly equal.

On Moss. *Schranck Inf. Aust. p. 520, n. 1073.*

Praegnans

Red globular and quite smooth: legs paler, the fore-ones longer.

In fresh earth. *Schranck. Inf. Aust. p. 521, n. 1074.*

Musci.

Horny, black, hairy.

On Moss. *Schranck Aust. p. 521, n. 1075.*

Limacum.

Found on the *Helix pomatia* or Snail.

Schranck Inf. Aust. p. 521, n. 1076.

Foliorum.

Ovate, hyaline, naked: all the legs equal.

On the leaves of trees. *Schranck Aust. p. 521, n. 1078.*

Patrescens.

Oval, hyaline bristly: legs nearly equal.

In garden Mould. *Schranck Austr. p. 521, n. 1079.*

Carduelis.

Ovate, subhyaline, blackish, naked: legs nearly equal and inflated.

On the *Fringilla carduelis*. *Schranck Aust. p. 522, n. 1080.*

Coccineus

Ovate, scarlet: body unarmed.

On Insects. *Schranck. Aust. p. 522, n. 1082.*

Legs generally 6, long filiform.

Vegetans.

- Vegetans.* Crustaceous, brown, margined. convex and flat beneath.
On coleopterous Insects. *Schrank Aust. p. 524. n. 1084.*
- Sambuci.* Red with paler legs and feelers: body and legs covered with
longish bristles.
Schrank Aust. p. 524. n. 1085.
On the leaves of the *Sambucus nigra*: slow.
- Acarorum.* Hemispherical, pale, glabrous with equal legs.
On the *Acarus crassipes.* *Schrank. Aust. p. 524 n. 1087.*
- Cardinalis.* Ovate pubescent red, black beneath between the legs: scu-
tel ovate black.
On Moss. *Pall. Spicil. Zool. 9. p. 44.*

B. *Antennae setaceous.* Trombidium.

- Tintorius.* Abdomen hairy red and obtuse behind: fore-shanks paler.
Pallas spicil. Zool. fasc. 9. tab. 3. fig. 11.
Body very hairy and red, but turns white when preserved in spi-
rits of wine.
- **Holoserice-* Ovate, red, depressed, silky, and retuse behind.
us. *Degeer. Inf. 7. tab. 8. fig. 12, 13. List. Aran. fig. 38.*
Blank Inf. tab. 41. fig. 1. Roef. Inf. 4. tab. 38.
Inhabits Europe and America, on dry soil.
- **Aruaticus* Ovate, red, depressed, downy, obtuse behind
Degeer. Inf. tab. 9. fig. 3, 4. Frisch. Inf. 8. tab. 3.
Roef. Inf. 3. tab. 25. Sulz. Inf. tab. 22. fig. 147.
Inhabits Europe, in fresh waters, and swims very nimbly.

115. HYDRACHNA. Head, thorax and
abdomen united: feelers 2, jointed: eyes
2---6: legs 8, ciliate and formed for
swimming.

These are inhabitants of the Water, and swim with great veloci-
ty, they prey on the larvæ of Tipulæ and Monoculi: the
eggs are red and at the first spherical, but afterwards become
femilunar: larva 6-footed and furnished with a singular pro-
boscis.

A. Eyes 2: body tailed,

* *Glebator.*

- * *Globator*. Body globular with red eyes.
Muller Hydrach. 27. tab. 1. fig. 1—5.
 Found plentifully in stagnant waters.
Male greenish spotted: *female* blueish immaculate and twice as large.
- Tabulator*. Globular, yellowish with a spotted disk: tail cylindrical equal.
 In stagnant water. *Mull. Hydr. 29. tab. 2. fig. 6.*
- Buccinator*. Obovate red, and black behind: tail cylindrical yellow and narrowed at the base.
 In Banks. *Mull. Hydrach. 30. tab. 3. fig. 1.*
Body beneath black: *eyes* reddish: *legs* black.
- Cuspidator*. Brown; truncate before and mucronate behind: tail depressed 2-toothed.
 In Fishponds. *Mull. Hydrach. 31. tab. 2. fig. 4.*
Body depressed and broadish on the fore-part, behind narrowed and armed with an erect triangular spine: *eyes* black: *legs* pale.
- Pustulator*. Gibbous, red: tail depressed, with obtuse angles.
 In grassy streams. *Mull. Hydr. 32. tab. 3. fig. 3.*
Body smooth and generally covered with vorticelli.
- Albator*. Rounded, grey with a white disk: tail depressed 3-toothed.
 In Fishponds. *Mull. Hydrachn. 33. tab. 2. fig. 1, 2.*
- Maculator*. Rounded, cinereous, spotted and mucronate behind: tail depressed 3-toothed.
 In ditches. *Mall. Hydrach. 34. tab. 2. fig. 3.*
Breast whitish: *legs* green.
- Tricuspidator*. Red with a triple gibbosity on the back: tail depressed 3-toothed.
 In pools. *Mull. Hydrach. 34. tab. 3. fig. 2.*
Body subreticulate: *breast* blackish: *feelers* and *legs* whitish.
- Emarginator*. Red with a gibbous back: tail depressed emarginate.
 In Bogs. *Mull. Hydrachn. 34. tab. 3. fig. 4.*
 Resembles *H. pustulator*. *Feelers* and *legs* greenish.
- Sinuator*. Grey; the back yellowish on the fore-part and tri-punctured behind: tail depressed sinuate.
 In stagnant water. *Mull. Hydrach. 37. tab. 2. fig. 5.*
Body reticulate: *feelers* and *legs* white.

Integrator Green immaculate with a depressed entire tail.
 In Ditches. *Mull. Hydrachn.* 38. *tab.* 3. *fig.* 7.
Body roundish-oval, depressed and contracted behind: *breast*
 yellowish: *legs* hyaline.

Papillator. Rounded, purple with an excrescence each side the tail:
legs black.
 In wet meadows. *Mull. Hydrachn.* 39. *tab.* 3. *fig.* 6.

B. *Eyes* 2: *back* marked with a fork.

Craffipes. Obovate; black, the disk black with a reddish fork: tail
 papillous: fore-legs thick.
 In ditches. *Mull. Hydrachn.* 41. *tab.* 4. *fig.* 1, 2.
Body pellucid with a white breast: *legs* 3 or 4 times as long as
 the body.

Grossipes. Nearly square, white with 3 spots and a rufous fork: fore-
 legs thick.
 In fish-ponds. *Mull. Hydrachn.* 43. *tab.* 4. *fig.* 3.
Body pellucid glabrous: *legs* twice as long as the body.

Clavicornis Obovate rufous with a yellow fork: feelers clavate: legs
 pale.
 In Ponds. *Mull. Hydrachn.* 44. *n.* 15.
Eyes black: *feelers* and *legs* white, .

Spinipes. Oval, greenish-yellow with 8 dots and a rufous fork: legs
 spinous.
 In Pools. *Mull. Hydrachn.* 45. *tab.* 4. *fig.* 5, 6.
Body polished, with black eyes breast legs and dots on the back.

Longicornis Nearly square, white with 5 brown spots and a rufous fork:
 feelers long
 In Rivulets. *Mull. Hydrachn.* 47. *tab.* 4. *fig.* 4.

Vernalis. Oval, greenish with a deeper disk and rufous fork.
 In overflown Meadows. *Mull. Hydrachn.* 48. *tab.* 5. *fig.* 1.
 Has the appearance of a grey dot with extended white legs.

Lunipes. Oval, white, spotted, with a clear white fork: fourth joint
 of the hind-legs lunate
 In ditches. *Mull. Hydrachn.* 49. *tab.* 5. *fig.* 5, 6.
Body pellucid with large eyes: *feelers* and *legs* pale.

- Trifurcalis* Oval, whitish with a brown back and triple silvery fork.
In wet Meadows. *Mull. Hydrachn.* 50. *tab.* 5. *fig.* 2.
Feelers ending in a claw and with the *legs* pale greenish-white :
eyes black : *abdomen* beneath sometimes brown with a white
line.
- Orbicularis* Depressed, orbicular, pale yellow with black spots on the
disk and a rufous fork.
In fords of Rivers. *Mull. Hydrachn.* 51. *tab.* 5. *fig.* 3, 4.
Eyes black ; *legs* white.
- Stellaris*, Globular, blue with a cinereous back and stellate fork.
In banks of Rivulets. *Mull. Hydrachn.* 52. *tab.* 6. *fig.* 3.
Body reticulate : *legs* hardly longer than the body.
- Ovalis*. Ovate compressed, greenish and flattish above, carinate and
yellow-brown beneath : *feelers* placed beneath.
In overflown Meadows. *Mull. Hydrachn.* 53. *tab.* 10. *fig.* 3, 4.
Eyes and *legs* black : *feelers* placed beneath the legs.
- Elliptica*. Rounded, blue with fulvous spots and dots.
In Rivulets. *Mull. Hydrachn.* 54. *tab.* 7. *fig.* 1, 2.
Eyes black : *legs* white : *breast*, *tail* and *hind margin* yellowish.
- Orbiculata* Depressed, orbicular, violet with a white spot and circle.
In muddy ditches. *Mull. Hydrachn.* 55. *tab.* 7. *fig.* 3, 4.
Breast fulvous with a greenish tip : *feelers* and *legs* whitish : *eyes*
black.
- Lugubris*. Globular brownish with black streaks : *legs* green.
In Bogs. *Mull. Hydrachn.* 57. *tab.* 7. *fig.* 5.
Eyes black : *feelers* green.
- Truncatella* Grey, oblong, truncate behind with dusky dots and lines.
In Marshes. *Mull. Hydrachn.* 57. *tab.* 7. *fig.* 6.
Eyes black : *feelers* white.

C. *Eyes* 2 : *body* glabrous.

- Despiciens*. Rounded, red with numerous spots : *eyes* placed beneath.
In Ditches. *Mull. Hydrachn.* 58. *tab.* 6. *fig.* 8.
Body slightly depressed thick and wrinkled : *eyes* blackish : *legs*
pale yellow.

- Geographica.* Sphærical, black with 4 scarlet spots and dots.
In Ditches. *Mull. Hydrachn.* 59. *tab.* 8. *fig.* 3—5.
The largest and most beautiful of its genus. *Eyes, feelers and*
last joint of the legs red.
2. *Feelers black.* *Roef. Inf.* 3. *tab.* 24. *fig.* 6, 2.
- Abstergens.* Globular, carmine immaculate with black legs.
In stagnant Water. *Mull. Hydrachn.* p. 61. n. 30.
Roef. Inf. 3. *tab.* 24.
Body with black lines beneath eyes and feelers black.
- Extendens.* Rounded, red: hind-legs contracted.
In ditches. *Mull. Hydrachu.* 62. *tab.* 9. *fig.* 4.
- Cruenta.* Distended, red: legs equal.
In wet Meadows. *Mull. Hydrachn.* 63. *tab.* 9. *fig.* 1.
Eyes red: feelers pubescent.
- Impressa.* Distended, red with impressed dots: feelers short.
In Marshes. *Mull. Hydrachn.* 64. *tab.* 9. *fig.* 2.
2. *Feelers long.* *Mull. Hydrachn.* 64. *tab.* 9. *fig.* 3.
- Lunaris.* Oval, rufous with a black lunate spot on the back.
In Fishponds. *Mull. Hydrachn.* 65. *tab.* 6. *fig.* 1, 2.
Eyes black; legs grey.
- Liliacea.* Obovate whitish, the disk lilly-white with a black spot
each side.
In Fens. *Mull. Hydrachn.* 66. *tab.* 9. *fig.* 5; 6.
Feelers, legs and breast pale, the latter spotted with black.
- Ovata.* Obovate, grey-brown with a triangular fulvous spot: legs
pale black.
In ditches. *Mull. Hydrachn.* 68. *tab.* 8. *fig.* 7.
2. Back marked with a fulvous cross: legs black: eyes and feelers
black.
- Torrise.* Oval, yellowish with lateral black spots and red in the mid-
dle: hind-shanks lamellate.
In Ditches. *Mull. Hydrachn.* 69. *tab.* 6. *fig.* 4.
Eyes black: legs white.
- Strigata.* Oblong, yellowish-green, the fore-part depressed with 2
blackish streaks which unite behind.
Near the banks of rivers. *Mull. Hydrach.* 71. *tab.* 10. *fig.* 1, 2.
Eyes black: feelers and legs white.

- Nodata.* Red, truncate before and spotted each side: hind-legs knotty.
In Ditches. *Mull. Hydrachn.* 72. tab. 8. fig. 6.
Eyes black: *feelers* annulate: *legs* yellowish and longer than the body.
- Obsoleta.* Rounded, reddish-brown with a double obsolete streak behind the eyes.
In moist woods. *Mull. Hydrachn.* 73. tab. 6. fig. 5.
Eyes black: *feelers* pellucid: *legs* pale brownish.
- Complanata* Green, depressed and emarginate before with a white band in the middle.
In Ditches. *Mull. Hydrachn.* 74. tab. 9. fig. 7, 8.
Body elliptic: *eyes* black: *feelers* and *legs* pellucid.
- Musculus.* Green, oval compressed: above grooved, beneath carinate.
In Marshes. *Mull. Hydrach.* 75. tab. 10. fig. 5, 6.
Varies in colour. *Eyes* black: *feelers* white pellucid.
- Latipes.* Oval, yellowish and spotted each side: fourth joint of the hind-legs dilated.
In Marshes. *Mull. Hydrachn.* 76. tab. 8. fig. 1, 2.
Legs pale or blueish tipped with brown.
- Verficolor.* Nearly square with whitish blue and brown spots.
In wet Meadows. *Mull. Hydrach.* 77. tab. 6. fig. 6.
Body white, beneath brown with a yellowish margin: *feelers* and *legs* white pellucid.
- D. *Eyes* 4.
- Calcareea.* Rounded, brown with a clear white disk.
In Marshes. *Mull. Hydrach.* 78. tab. 11. fig. 5.
Eyes black: *feelers* pointed: *legs* pale pellucid.
- Fuscata.* Ovate, reddish-brown with a darker disk and pale rufous fork.
In muddy ditches. *Mull. Hydrachn.* 79. tab. 11. fig. 2.
Body convex, spotted on the back: *eyes* black: *legs* and *feelers* white pellucid.
- Undulata.* Oval, pale yellow with flexuous black streaks.
In Marshes. *Mull. Hydrachn.* 80. tab. 11. f. 1.
Body subglobular pellucid with black eyes.

Maculata. Oval, red with black spots on the back.

In Ditches. *Mull. Hyarachn.* 81. *tab.* 11. *fig.* 3.

Eyes black; *legs* pale yellow pellucid; *feelers* pale yellow and sometimes long sometimes short.

E. *Eyes* 6.

Umbrata. Rounded red with numerous darker spots.

In marshy woods. *Mull. Hydrach.* 82. *tab.* 11. *f.* 6.

Body glabrous, subdepressed with 10 darker spots above: *eyes* black; *feelers* yellowish at the tip: *legs* yellow.

116. PHALANGIUM. *Mouth* with horny mandibles, the second joint with a very sharp moveable cheliferous tooth: *feelers* filiform; *antennae* 0: *eyes* 2 on the crown and 2' at the sides: *legs* 8; *abdomen* generally rounded.

These in their various stages of transformation prey on the smaller insects and worms; the *larva* and *pupa* are active 8-footed and resemble the perfect insect.

A. *Mouth* with a conic tubular sucker.

a. *Feelers* 4, the upper ones chelate. Nymphion.

**Grossipes.* Body minute cylindrical glabrous: shoulders tuberculate: legs very long.

Inhabits European Seas. *Lin. Transf.* v. p. 7.

Ström. Sundm. 208. *tab.* 1. *fig.* 16.

Body dirty red, very minute and slow: insinuates itself into the shells of Muscles and destroys the fish.

Hirtum. Body filiform hairy.

Inhabits the Norway Ocean; size of the last.

Body linear and covered with hair: *legs* long hairy but shorter than those of the last.

Spinipes. Body cylindrical slender: legs very long and spinous.

Inhabits the Seas of Norway. *Fab. Fn. Groen.* p. 232. n. 211.

b. *Feelers 2. Pycnogonum.*

**Balaenarum.* Feelers 2 : body ovate, red on the back.

Inhabits *European Seas*. Pennant. Br. Zool. iv. tab. 18. fig. 7.
Found under stones. Sucker projecting straight obtuse at the tip
with a round perforation : feelers as long as the sucker and
placed at its base : legs pointed.

B. *Mouth without sucker.*a. *Feelers projecting incurved. Phalangium.*

Bicolor. Body roundish and black above : legs very long with testaceous joints and tips.

Inhabits *Helvetia* ; large.

Body beneath cinereous ; feelers cinereous : mandibles tip with black.

Morio. Abdomen ovate black, beneath and base of the legs pale.

Inhabits *Norway*, about rocks : larger than P. *Opilio*.

Body with a waved paler lateral line above : feelers black : mandibles pale : legs long rough.

**Opilio.* Abdomen ovate grey, beneath whitish. *Long-legged Spider.*

Degeer. Inf. 7. tab. 11. fig. 1. Bradl Nat. tab. 24. fig. 2.

Cock Aran, tab. 6. fig. 10, 3. Sulz. tab. 22. fig. 140.

Inhabits *Europe* and *America*, and wanders about by night.

**Cornutum* Abdomen depressed : mandible conic ascending : feelers resembling legs.

Geoffr. Inf. 2. tab. 20. fig. 6. Sulz. Inf. tab. 29. fig. 10.

Degeer. Inf. 7. tab. 10. fig. 12. Schaeff. Icon. tab. 39. fig. 13.

Inhabits *Europe*, resembles the last.

Body above grey-brown with a darker rhombic spot in the middle : head with 2 crested prominences.

Belincaum Pale with 2 black dotted dorsal lines.

Inhabits *Seas of Norway*, on rocks.

Legs with darker rings, the 2 first pair much shorter than the others, all the thighs tipped with black and armed with minute spines.

Diadema. Thorax with an elevated spinous tubercle on the back.

Inhabits *Seas of Norway*.

The tubercle on the back spinous at the tip and furnished with a large eye each side.

Carinatum Brown ; abdomen depressed carinate : fore-legs 1-toothed before the tip.

Inhabits

Inhabits *Dresden*; size of *P. Opilio*.

Legs moderate, the fore-ones resembling feelers: *mandibles* chelate black.

**2-maculatum*.

Abdomen black with 2 white spots.

Inhabits *England* *Donovan. Engl. Insects. v. tab. 156. f. 4.*

Body very small ovate black with 2 white spots: *abdomen* surrounded with a very fine submarginal white line: *legs* long black.

Araneoides

Chelæ or claws toothed villous: *body* oblong.

Pall. Spic. Zool. 9. tab. 3. fig. 7—9. Pet. Gaz. tab. 85. fig. 9.

Inhabits the *Cape of good hope*, and southern parts of *Russia*. Its bite is extremely poisonous, occasioning livid tumours and sometimes death.

Body soft livid woolly with inflated claws.

**Cancroides*

Abdomen obovate depressed ferruginous *chelæ* or claws oblong hairy.

Donovan. iv. tab. 215. Degeer. 7. tab. 19. fig. 14.

Seba. Mus. 1. tab. 70. Roes. Inf. 3. tab. 64.

Inhabits *Europe*, in cellars and damp places, and is the little insect which gets into our legs and under the skin, causing a painful itching.

2. *Chelæ* ovate. *Scorpio cimicoides. Fabr. ii. p. 436.*

Acaroides.

Abdomen cylindrical yellowish: *chelæ* or claws ovate smooth.

Inhabits *America. Degeer. Inf. 7. tab. 42. fig. 1, 2.*

Twice as large as the former. Its bite is said to be extremely painful and dangerous.

b. *Feelers* thick spinous and furnished with a claw at the tip. *Tarantula.*

**Hispidum*

Feelers ferrate: *body* suboval with 10 angles.

Inhabits *England. Linn. Trans. v. p. 7. tab. 2. fig. 1, 2.*

Body oval, with 10 angles, and marked with a transverse band near the centre: *legs* hairy: *tail* cylindrical obtuse: colour palish-brown: length $\frac{1}{2}$ of an inch.

Reniforme.

Feelers ferrate: fore-legs very long and filiform; thorax kidney-shaped.

Brown Jamaica. p. 419. tab. 41. fig. 3.

Blanc. Inf. tab. 17. fig. B. Pall. Spic. Zool. 9. tab. 3. fig. 3.

Inhabits *South America* and its Islands.

Feelers large thick 4-jointed, the first joint short and cylindrical resembling a lip, 2, 3 ferrate with spines at the margin, 4 ending in a long claw.

Candatum.

Caudatum. Feelers branched : tail ending in a bristle.

Inhabits *India*. *Pall. spic. Zool.* 9. *tab.* 3. *fig.* 1, 2.

Sulz, Inf. tab. 19. *fig.* 11. *Seba. Mus.* 1. *tab.* 70. *fig.* 7, 8.

Lunatum. Feelers very long and spinous at the tip : thorax kidney-shaped.

Inhabits *America*. *Pall. spic. Zool.* 9. *tab.* 3. *fig.* 5, 6.

Feelers 4 times as long as the body, smooth except at the tip which is very spinous.

117. ARANEA. Mouth with short horny jaws, the lip rounded at the tip: feelers 2, incurved, jointed and very sharp at the end, those of the male clavate: antennae 0: eyes 8, rarely 6: legs 8; abdomen ovate villous and furnished at the tip with textorial papillæ.

Spider.

In every stage of their existence these disgusting animals prey with the most savage ferocity upon all other insects they can overcome and even upon one another: from the papillæ at the end of the abdomen they throw out at pleasure a number of fine threads, which they unite in various ways for the purpose of entrangling their prey: they every year cast off their old skin, which is performed by suspending themselves in some solitary corner, and creeping out of it. The younger ones have the power of flight, and in the Autumn ascend the air to a great height; to perform which, they probably ascend some high eminence, and are wafted about by the winds, filling the atmosphere with their fine threads.

They are infested by the Spheæ and Ichneumon.

A. Eyes placed ::::

**Extensa.* Abdomen long silvery-greenish: legs longitudinally extended.

Inhabits *Europe*, in woods. *Donovan v, tab.* 156. *fig.* 1.

Lister Aran. fig. 3. *Ray. Inf.* 19, 3.

Head thorax and legs reddish: abdomen greenish down the back; first pair of legs very long, third very short.

Pallens.

- Pallens.* Pale testaceous : mandibles ferruginous with black claws.
Inhabits *American Islands*. *Fabr. App. iv. p. 461.*
Head large : *abdomen* ovate rounded : *legs* extended, the first pair longer, third a little shorter.
- Lobata.* Abdomen ovate lobed, white with double brown lines at the tip.
Inhabits the *Cape of good hope*. *Pall. spic. Zool. 9. tab. 3. f. 14, 15.*
- Longimana* Ferruginous : abdomen long cylindrical brown : fore-legs very long.
Inhabits *Jamaica*. *Jarvis* hooked.
Fore-legs very long, third pair very short.
- Regia.* Villous, cinereous with a yellow band on the front : legs spinous.
Inhabits *Tranquebar* ; large.
Legs with numerous sharp black spines placed in pairs.
- Virescens.* Green with a black cylindrical abdomen : fore-legs very long.
Inhabits *Zealand*.
Mandibles large greenish with darker claws : *head* and *thorax* greenish ; *legs* long greenish, the third pair shorter.
- Cancriformis.* Abdomen globular gibbous, with 6 spines round the margin.
Inhabits *Jamaica*. *Brown Jamaic. p. 419. tab. 44. fig. 5.*
Sloan. Jam. 2. tab. 235. fig. 4. Slabb. Microsc. tab. 1.
Body black : *abdomen* large ferruginous with black dots, the margin spinous all round.
- Venatoria* Glossy-black with a blackish hairy abdomen.
Inhabits *America*. *Brown Jam. p. 420. tab. 44. fig. 3.*
Sloan. Jam. 2. tab. 235. fig. 1. 2. Merian. Sur. tab. 18.
Spins a large cylindrical web under ground which is covered with a lid : its bite is very painful and frequently occasions fever and delirium, which is soon removed by a gentle sudorific.
Thorax with a black impressed lunule in the middle.
- 13 *guttata* Black : abdomen rounded and spotted with red.
Inhabits *Italy*. *Reff. Fn. Etrusc. 2. tab. 9 fig. 10.*
Its bite is said to be very poisonous, and it preys on Crickets which it encompasses and entangles in a web.

***Latens.** Black ; abdomen greyish with a black interrupted dorsal line.

Inhabits *England*, and secretes itself under a small web on the under surface of the leaves of plants: small.

Head and *thorax* pubescent black : *abdomen* gibbous at the base, ovate and covered with cinereous down : *legs* black.

Signata. Greenish : sides of the thorax black : abdomen with 2 black lines.

Inhabits *Kiel*, in Woods : small.

Head greenish with a few black specks: *abdomen* globular with a broad line composed of 4 black spots each side : *legs* green dotted with black, the fore-ones longer.

Mactans. Abdomen ovate black with a scarlet dorsal line.

Inhabits *America*: small.

Thorax and *legs* dusky brown:

2. Abdomen with 2 pair of scarlet dots and tail.

Cicurea. Pale red with a cinereous ovate abdomen.

Inhabits *Germany*. *Panz Fn, Germ. 2. tab. 3.* Small.

Found in houses. *Head* and *thorax* glabrous rosy with a whitish dorsal line : *legs* short dusky.

Bicornis. Yellowish : abdomen depressed with 6 impressed dots: head 2-horned.

Inhabits *Tranquebar*.

Head and *thorax* yellowish, the margin a little clavate and projecting each side into a kind of horn: margin of the *abdomen* a little elevated and brown: *legs* yellowish, the first pair long.

Nigrita. Black ; abdomen with 2 testaceous dots beneath.

Inhabits *Saxony*; middle-sized.

Body black glabrous shining: *legs* pale at the tip.

Cornuta. Brown : abdomen oval cylindrical, above yellowish white with 4 pair of impressed dots and 4 parallel grey lines behind.

Inhabits *America*. *Pall. spic. Zool. 9. p. 44, tab. 3. fig. 13.*

About the size of a man's finger. *Legs* long: *thorax* truncate each side and ending in 2 small horns behind.

B. Eyes placed

- **Globosa*. Black : abdomen globular with crimson sides.
 Inhabits woods of *Europe*. *Donovan*. v. tab. 156. fig. 2.
Body very small : *abdomen* with an interrupted white band in the middle : *legs* black, the hind-ones longer.

C. Eyes placed

- Horrida*. Abdomen nearly triangular, the tip truncate and obtuse : 4 fore-legs longer.
 Inhabits *Germany*, under the leaves of plants and has a retrograde motion : is of a singular formation.
Body brown : sides of the *front* a little raised : *thorax* silvery on the back and surrounded with a white line : *abdomen* triangular, narrower at the base, the tip much broader truncate and very retuse ; sides of the *abdomen* wrinkled : 4 *fore-legs* twice as long as the others and brown, the shanks annulate with white : hind-ones greenish.
- **Maxillosa* Ferruginous with a greenish abdomen : legs pale mandibles large and projecting.
 Inhabits the Island *Santa Cruz*,
Feelers long hairy pale with a brown club at the tip : *abdomen* cylindrical : *fore-legs* longer.
- Smaragdula*. Green ; abdomen paler with a green dorsal line at the base.
 Inhabits *France*; large.
Abdomen acute with a square black spot beneath at the base : *legs* green.
- Latro*. Thorax villous cinereous : abdomen acute black with ferruginous spots.
 Inhabits *America*; large.
Mouth pale : *abdomen* ovate : *legs* black with pale thighs.
- **Viatica*. Brown with a roundish flat obtuse abdomen : 4 hind-legs very short.
Lister, *Aran.* fig. 29. *Clerk*, *Aran.* tab. 2. 6. fig. 9.
Degeer, *Inf.* 7. tab. 18. fig. 23. *Schaeff.* *Icon.* tab. 189. fig. 7.
 Inhabits *Europe*, in gardens and meadows : small.
- **Domestica* Abdomen ovate brown with 5 black and nearly contiguous spots, the anterior ones larger.

Clerk. Aran. 76. tab. 2. fig. 9. *Lisler.* 59. fig. 17.

Degeer. Inf. 7. tab. 15. fig. 11.

Inhabits *Europe*, very common in houses and about windows, and preys chiefly on flies.

Dorsata.

Green; abdomen brown on the back.

Inhabits woods of *Kiel*: small.

Abdomen above brown with a palish border all round, beneath pale: *legs* green.

Testacea.

Testaceous; abdomen subglobular dull greenish.

Inhabits *South American Islands*; small.

Thorax testaceous with a paler margin: *legs* testaceous with ferruginous spots.

Trilineata.

Abdomen ovate whitish with 3 longitudinal lines of blackish dots.

Inhabits *Europe*. *Fn. Suec.* 2001.

Probably not of this division.

Impressa.

Black; abdomen ovate with 6 impressed dots, and 2 yellow dots beneath.

Inhabits *Norway*; on rocks: large.

Feelers short the last joint thick globular and vesicular: *thorax* with a thin white margin: *abdomen* wrinkled at the tail: *legs* brown with testaceous rings, the first pair very long, the third very short.

**Lævipēs.*

Abdomen rhomboid depressed and spotted with black: legs extended and variegated.

Inhabits *Europe*, on Walls. *Degeer. Inf.* tab. 7. fig. 25.

Clerk Aran. tab. 6. fig. 3, *Frisch. Inf.* tab. 10. fig. 14.

Tricuspidata.

Greenish: abdomen white with a reddish tail.

Inhabits *Saxony*.

Head, *thorax* and *legs* greenish: *eyes* especially the latter ones elevated: *abdomen* with a longitudinal abbreviated rufous line and 2 oblique lateral ones nearly meeting in the middle of the abdomen.

D. Eyes placed :::

Argentata.

Abdomen white, and brown behind, the margin 6-toothed.

Inhabits *America* and *India*; large,

Thorax silvery : *abdomen* subovate, white on the fore-part, behind brown with 2 white dots, the margin armed with 3 strong spines each side : *legs* pale annulate with brown.

E. Eyes placed

Fasciata. Silvery ; *abdomen* with yellowish band : *legs* annulate with brown

• Inhabits *Madeira* ; large.

Abdomen silvery with 5 yellowish bands which end in brown : *legs* testaceous with numerous brown rings.

• *Angulata* *Abdomen* ovate, the sides angular and acute on the fore-part : *thorax* with an excavated centre.

Clerk Aran. tab. 1 fig. 1. Degeer; Ins. 7. tab. 12. fig. 1.

Inhabits *Europe*, in trees : spins a perpendicular web and varies much in colour.

• *Diadema* Reddish-brown : *abdomen* gibbous and marked with white drop-shaped spots in the form of a cross.

Natur. Miscell. ix. tab. 308. Donovan. ii. tab. 49. 50.

Lister Aran. fig. 2. Clerk. Aran. tab 21. fig. 2.

Inhabits *Europe*. in trees ; and is a very beautiful insect.

Body varying much in colour from a darker to a lighter reddish-brown : *legs* yellow annulate with brown,

Marmorata. Brown : *abdomen* ovate varied with white and brown.

Inhabits *Europe*. *Clerk Aran. tab. 1. fig. 2.*

Spins its web on the ground. *Body* large brown : *abdomen* variegated : *legs* brown with black joints.

Reticulata. *Abdomen* globular reticulate, above purplish clouded with brown.

Inhabits *Europe*, in Gardens. *Fn. Suec. 1994.*

• *Cucurbitina.* *Abdomen* subglobular yellow with a few black dots.

Clerk Aran. tab. 2. fig. 4. Lister. Aran. fig. 5.

Inhabits *Europe*, in trees, and spins a lax web.

Calycina. *Abdomen* globular pale yellowish.

Fn. Suec. 1996. Scopol. Ent. Carn. 1099.

Inhabits *Europe*, in the Calyxes of flowers from which the corol has fallen, and fastens on bees and flies who come to extract the nectar.

8-punctata Abdomen roundish yellow, with 4 black raised dots each side : tail rufous.

Inhabits *Sweden* : is probably not of this division.

Bipunctata Abdomen globular, black with 2 hollow dots.

Inhabits *Europe*, in windows. *Fn. Suec. n. 1997.*

Arundinacea. Abdomen subglobular, white with pale brown spots.

Inhabits *Europe*, among reeds. *Fn. Suec. 1998.*

Riparia. Abdomen ovate black-bronze, tail pale yellow and 2-horned.

Inhabits *Sweden*, on gravelly shores. *Fn. Suec. 2002.*

**Quadrata* Abdomen subglobular, yellowish-rufous with a white line at the base and 4 spots.

Clerk. tab. 1. fig. 3. Lister. Aran. fig. 3.

Inhabits woods of *Europe*.

Less than *A. Diadema*. Head and thorax dusky : abdomen reddish with numerous white specks, the back yellowish with a white line in the middle at the base and 4 large spots : legs pale with brown rings.

I suspect this to be only a variety of *A. Diadema*.

Liturata. Testaceous ; abdomen pale black with a white margin and marks.

Inhabits *France*; small.

Thorax testaceous depressed with a whitish spot at the base : legs pale, 4 fore-thighs black.

4-punctata. Abdomen oblong, the back black and flat with 4 excavated dots.

Inhabits *Europe*, in houses.

Militaris. Black with 4 spines, the hind-ones longer and spreading.

Inhabits *America*; size of *A. spinosa*.

Two first spines on the abdomen erect and black.

Spinosa. Back with 8 spines, the 2 hind-ones spreading : abdomen beneath conic.

Inhabits *America*. *Degeer. Inf. 7. tab. 39. fig. 9, 10.*

Body triangular dusky-brown.

Aculeata. Back with 6 spines, the hind-ones spreading.

Inhabits *America*. *Degeer. Inf. 7. tab. 39. fig. 11, 12.*

Head and thorax dull ferruginous : *abdomen* brown on the fore-part with 2 long erect spines on the back ; the hind-part impressed and yellowish with 4 spines, the fore-ones lateral and very short, the hind-ones conic divergent ferruginous tipped with black : beneath brown wrinkled with a conic truncate annulate tail.

Tetracantha Abdomen globular, with 4 spines round the margin.

Inhabits *America*. *Pall. Spic. Zool.* 9. *tab.* 3. *fig.* 16, 17.

Head and thorax ferruginous : *abdomen* with impressed dots at the base,

Hexacantha. Abdomen transverse, with 6 spines round the abdomen.

Inhabits *Jamaica*. *Brown Jamaica.* *tab.* 44. *fig.* 5.

Abdomen with 2 spines each side and 2 behind, the fore-margin with a few black dots.

This appears to be the same as *A. canceriformis*.

Fornicata. Sides of the abdomen vaulted, with 2 spines, the posterior one longer.

Inhabits *New Holland*; In the museum of Sir *Jos. Banks*.

Head and thorax black immaculate : *breast* yellowish : spines on the *abdomen* ferruginous, the anterior one at the base sharp and short, the hinder one strong and projecting : the hind margin likewise has 2 equal subulate ferruginous spines : *abdomen* testaceous with annular raised brown spots at the base and tip : legs brown.

Abdomen ovate, brown with a whitish pinnate line.

**Labariuthica*.

Inhabits *Europe*. *Clerk Aran.* *tab.* 2. *fig.* 8. *Lister.* *fig.* 18.

Spins an horizontal web on the ground with a cylindrical cavity.

4-lineata. Abdomen roundish, yellow with a purplish line each side and 4 dots.

Inhabits *Sweden*. Hyaline with a yellow front.

**Redimita*. Abdomen oval, pale yellow with a crimson oval crown or ring on the back.

Inhabits *Europe*, in Gardens. *Clerk Aran.* *tab.* 3. *fig.* 9.

Lister Aran. *fig.* 12. *Frisch Inf.* 10. *tab.* 4.

Legs long white transparent.

Carollata. Abdomen oval black with a white oval ring on the back.

Inhabits *Europe*, on plants. *Clerk Aran.* *tab.* 5. *fig.* 18. ?

**Montana*.

- *Montana*. Abdomen oval white with grey spots.
Inhabits *Europe*, on trees. *Lisser Aran. fig. 6.*
Thorax and *legs* pale, fore-legs long extended.
- Sanguinolenta*. Abdomen ovate, scarlet with a longitudinal black line.
Inhabits *Spain*. *Head* and *legs* black.
- Nigra*. Abdomen ovate and scarlet above.
Inhabits *Calabria*. *Petagn. Inf Calabr. p. 34. n. 176.*
Body black hairy: *thorax* with a scarlet band at the base: region of the tail fringed with white: *fore legs* black and fringed with white about the joints, the others with scarlet thighs and shanks and black tarfi.
- Notata*. Abdomen ovate brown with white transverse curved lines.
Inhabits *Europe*. *Fn. Suec. 2008.*
- Rufpei*. Abdomen brown; legs rufous.
Inhabits *Europe*, on nettles. *Fn. Suec. 2009.*
- Nocturna*. Abdomen black with 2 white dots and a white lunule at the base.
Inhabits *Europe*. *Fn. Suec. 2010.*
- 6-punctata*. Abdomen oblong with 3 pair of excavated dots.
Inhabits woods of *Europe*.
- Palustris*. Thorax and abdomen with a snowy line each side.
Inhabits reedy marshes of *Germany*.
Tip of the *thorax* before the eyes ending in a white line.
- *Aquatica*. Brown; abdomen ovate cinereous, the back brown with 2 impressed dots.
Clerk. viran. tab. 6. fig. 8. Degeer. Inf. 7. tab. 19. fig. 5.
Inhabits *Europe*, in fresh water lakes, where it dives to the bottom in search of its food within a globule of air formed by itself; and takes up it's winter quarters in a forsaken shell, the aperture of which it closes up with a web.
Jaws large strong black with scarlet nails.
- Obscura*. Abdomen subconic, dusky with a whitish dorsal line.
Inhabits *France*, in Woods: large.
Thorax downy with a white dorsal line and fore-margin each side: *mandibles* testaceous: *abdomen* with a few white dots beneath: *legs* dusky.

- Scalaris.* Thorax testaceous: abdomen snowy on the back with an oblong indented snowy spot at the tip.
Inhabits woods of France. Panz. Fn. Germ. 2. tab. 2.
Thorax depressed: abdomen beneath variegated with brown and green, and black in the middle with 2 yellow lunules: legs varied with brown and green, thighs testaceous.
- Triguttata.* Yellowish; abdomen black with 3 white spots.
Inhabits Alsace; small.
Abdomen with 3 spots in the middle which nearly form a band: legs yellow, the third pair very short.
- Scorpiiformis* Black; abdomen whitish with 2 black lines: 4 fore-legs very long.
Inhabits Leipsic in gardens: small and retrograde.
Front a little reddish: abdomen ovate glabrous with 2 sinuate abbreviated lines: 4 fore-legs black annulate with white, hind-ones very short green.
- Carnifex* Ferruginous; abdomen grey with a brown dorsal line.
Inhabits England; middle-sized.
Head ferruginous with black mandibles: thorax ferruginous smooth glabrous, the margin a little yellowish: abdomen roundish beneath with a yellow spot each side at the base: legs pale.
- Flavissima.* Abdomen oblong rich yellow and smooth.
Inhabits Egypt. Mus. Lud. Utr. 423.
Thorax fulvous: legs glabrous.
- Bimaculata* Abdomen roundish, chestnut with 2 white dots.
Inhabits Europe; less than a flea.
Abdomen a little depressed and unequal with 2 spots, each composed of 2 dots.
- Truncorum.* Black with white dots on the back: springs to a great distance on its prey.
Inhabits Europe, on walls and trunks of trees. Fn. Suec. 2018.
- Rufesbris.* Abdomen with a black spot edged with red and white in the middle: springs on its prey.
Inhabits Europe, on old walls. Fn. Suec. 1019.
- Virescens.* Abdomen oblong, yellow-green with lateral white lines.
Inhabits Europe. Jonst. Ins. tab. 18. fig. 42.

- Spinipes.* Pale with spinous legs.
2. Legs spinous with ferruginous joints.
Inhabits *Europe*. *Mus. Lesh.* 2. 85. n. 32. 34.
- Opilionoides* Grey with very long and extremely slender legs.
Inhabits *Germany* and *France*; spins a very lax irregular web, the threads crossing each other, and is gregarious.
- Osbeckii.* Pale yellow; abdomen with impressed dots in pairs with an odd one: fore-legs longer.
Inhabits *Austria*. *Schranck. Inf. Auf.* p. 533. n. 1110.
- Wilii.* Varied with black and grey: legs cinereous annulate with black, the hind-ones shorter.
Inhabits *Austria*. *Schranck. Inf. Auf.* p. 534. n. 1111.
- Speciosa.* Thorax grey with 2 brown spots: abdomen oval-oblong with transverse black curves, beneath reticulate with black with 2 yellow bands.
Pallas Iter. 2. p. 732. n. 97.
Inhabits *Calabria* and *Siberia*, and is domesticated in the houses of the *Cossacs*: a very beautiful species.
Legs yellowish annulate with black: the middle pair very short, the other very long.
- F. Eyes placed ::
.. ..
- Clavipes.* Abdomen oblong yellow dotted with white: all the shanks except the third pair, clavate and hairy.
Brown Jamaica. tab. 44. fig. 4. Degeer. Inf. 7. tab. 39. fig. 1.
Inhabits *South America*, in trees and out-houses: spins a strong spreading web, and is a beautiful species.
- *Saccata.* Abdomen ovate rusty-brown.
Clerk. Aran. tab. 4. fig. 5. Lister Aran. fig. 28.
Inhabits *Europe* in gardens, and carries its bag of eggs behind it.
Legs close together unequal, livid annulate with brown.
- Fumigata.* Abdomen ovate brown with 2 white dots at the base.
Inhabits *Sweden*. *Clerk. Aran. tab. 5. fig. 6.*
Lives in Meadows, and watches before the nests of larvæ, which it catches as they come out, one after another and sucks out their vitals,

G. Eyes placed : :
....

- Fimbriata.* Black; abdomen oblong with a white line each side.
Clerk. Aran. tab. 5. fig. 9. Degeer. Inf. 7. tab. 16, fig. 9, 10.
 Inhabits *Europe*, in reedy marshes,
 Body fringed with hair: legs brown.
- * *Dorsalis.* Black; thorax compressed with a white dorsal line.
 Inhabits *England*: small,
 Abdomen ovate, whitish at the base: legs livid.
- Sanguinolenta.* Black; abdomen red with a black dorsal line.
 Inhabits *Europe*, and springs on its prey.
 Abdomen ovate: 4 fore-thanks red.
- Pupillata.* Testaceous; abdomen brown on the back with subocellar fulvous spots.
 Inhabits *China*; size of the last.
 Head and thorax testaceous with 2 short brown lines on the fore-part in which are the eyes: abdomen with a lateral testaceous line and fulvous spots on the back marked with a black pupil: legs paler.
- * *Scenica.* Black; abdomen subcylindrical with 3 semicircular white lines each side: springs on its prey.
Clerk Aran. tab. 5. fig. 13. Bradl. Nat. tab. 24. fig. 5.
Lister Aran. fig. 31. Degeer. Inf. 7. tab. 17. fig. 8, 9.
 Inhabits *Europe*, on old walls and windows.
 Body covered with silvery hair: legs short hairy black and white.
 Spins no web.
- Fulvata.* Black; hind-margin of the thorax fulvous: abdomen with 3 fulvous bands.
 Inhabits *Cayenne*; size of the last.
 Abdomen with 3 semicircular bands: legs testaceous with cinereous thighs.
- Pubescens.* Abdomen ovate brown with 4 cinereous spots, the hind-ones larger.
 Inhabits *Leipfic*; middle-sized.
 Body pubescent brown variegated with grey: feelers hairy.
- Cinerea.* Cinereous; abdomen brown on the back with 8 cinereous dots.
 Inhabits the shores of the *Baltic*.

Mandibles cinereous with black claws: 4 lower *eyes* very minute, the upper ones much larger: *legs* cinereous annulate with brown, the thighs immaculate.

Trilineata. Brown; thorax with a paler margin and lateral dorsal line; abdomen ovate cinereous, beneath brown.

Inhabits *Naples*; large.

Upper-pair of *eyes* large rufous: *legs* cinereous, the shanks spotted with brown.

Tarantula. Abdomen with triangular black spots on the back: legs spotted with black.

Albin Aran. tab. 38. *Bradl. Nat*. tab. 24. fig. 10.

Bocc. Mus. 1. tab. 2. *Olear. Mus*. tab. 12. fig. 4.

Inhabits the southern parts of *Europe*, particularly in *Italy* and *Barbary*, in cool caverns, and is the insect whose bite has been so long supposed to be curable by music only. It is in some degree poisonous but probably never fatal.

Body greyish: 2 upper *eyes* larger and red: abdomen beneath black.

H. *Eyes* placed . . .

Avicularia Thorax orbicular convex with a transverse central excavation.

Natural. Miscel. 1. tab. 12. *Merian. Surin*. tab. 18.

Roes. Inf. 3. tab. 11. *Seba Mus*. 1. tab. 69. fig. 2, 3.

Inhabits *South America*, among trees, where it preys upon the larger insects and even small birds, dropping into their nests and sucking their blood and eggs: is of so enormous a size that its fangs are equal to the talons of a hawk, and its eyes are capable of being set in the manner of glasses and used as Microscopes.

Body ferruginous-brown: abdomen oblong and emarginate at the tip: legs with brown rings.

I. *Eyes* placed . . .

Pulchra. Oval oblong; thorax villous white: abdomen and legs black with yellow bands.

Inhabits *Helvetia*. *Journ. de Phys*. 1787. Nov. p. 372.

K. *Eyes* placed : :
: :

Goezii. Black; abdomen ovate; front white: springs on its prey.

Schranck inj. Aust. p. 534. n. 1112.

Inhabits commonly in woods about *Vienna*.
Abdomen marked with 2 impressed dots.

L. Eyes placed ::

....

Truncata. Grey ferruginous slightly clouded: thorax globular and slightly heart-shaped: abdomen something triangular and marked with an obsolete longitudinal cross.

Pall. Spicil. Zool. 9. p. 48. tab. 1. fig. 16.

Inhabits *Germany*, on oak and other trees; larger than *A scenica*.
Abdomen with 4 impressed dots on the back: textorial *papillæ* 3.

M. Eyes placed ...

....:

Conica. Abdomen ovate, obtusely conic behind, varied with brown and whitish and black beneath.

Pall. Spic. Zool. 9. p. 48. tab. 1. fig. 16.

Inhabits woods of *Germany*, and spins a labarinthical web.

Thorax black ferruginous and nearly double behind: *legs* grey annulate with brown: *abdomen* with a whitish spot beneath resembling a horse-shoe: textorial *papillæ* 4.

N. Eyes placed :.....

Albifrons. Hairy; body ovate and variegated with black and chestnut-brown.

Inhabits *Lusace*. *Lesk. It. p. 19.*

O. Eyes 6, placed ::::

Taurus. Abdomen flat with 2 very long curved spines.

Inhabits *St. Domingo*.

Thorax small brown: *abdomen* rounded, above flat with a compressed punctured margin and a small spine each side in the middle, behind truncate with a curved sharp spine each side 4 times as long as the body: *legs* testaceous.

Arcuata. Brown; abdomen with 6 spines, the middle-ones curved and 6 times as long as the body.

Inhabits *East India*; small.

Thorax covered with cinereous hair: *abdomen* depressed with 3 marginal spines each side, the middle ones very long rough and hairy: *legs* palish.

Maculata. Thorax silky silvery : abdomen cylindrical : legs very long and black.

Inhabits *China* ; large.

Head black : thorax heart-shaped : abdomen apparently brown with white streaks and dots.

Pilipes. Brown ; abdomen cylindrical with silvery lines : legs very long and hairy.

Inhabits *East India* ; large.

Thorax covered with gold down : abdomen with 2 dorsal silvery streaks : legs black, thighs subtestaceous.

Myopa. Greenish : abdomen red on the back with a few black dots, the sides yellowish.

Inhabits *Kiel*.

Mandibles tipt with black : thorax with 2 darker lines : abdomen ovate pubescent ; textorial papillæ tipt with black : legs long pale greenish, the fore-shanks tipt with black.

Longipes. Black : abdomen cylindrical brown with 6 impressed dots : legs very long.

Inhabits *Australasia* ; large.

Mandibles toothed : feelers ferruginous at the base and tipt with black : first pair of legs longer.

Rufipes. Ferruginous ; abdomen ovate pale cinereous : legs rufous.

Inhabits *Morocco* : middle-sized.

**Senoculata* Abdomen greenish with black dots and a yellow line on the sides.

Degeer. Inf. 7. tab. 15. fig. 5. Lister Aran. fig. 24.

Inhabits *Europe*, in gardens and on walls.

Head thorax and legs pale ferruginous, the third pair of legs shorter : abdomen with 4 black impressed dots on the back and beneath these 4 pale spots ; tail red.

Scopulorum. Abdomen brown with a pinnate white dorsal line.

Inhabits *Norway*, on rocks.

Head and mandibles black : abdomen ovate : legs testaceous with brown bands : eyes very close together.

Lusea. Pale ; abdomen silvery with black branched lines.

Inhabits *Tranquebar*.

Head and thorax pale testaceous : abdomen oblong with a branched dorsal line and a larger trifid one at the sides : legs pale testaceous.

Parallala.

Parallela. Brown; sides of the thorax and abdomen white: mandibles projecting parallel.

Inhabits *American Islands*; small. *Fabr. App. iv. p. 461.*

Eyes distant and placed more in a circle: mandibles brown with black claws: thorax rounded flat brown with white sides: abdomen nearly conic flat brown with white sides: legs pale, the fore-ones longer.

Scrofa. Hairy, brown: abdomen semiorbicular: mandibles black exerted and hooked at the tip.

Inhabits *Chili*, under ground. *Molin. Hist. chil. p. 188.*

About the size of a pigeon's egg: legs long and thick.

Bicornis. Abdomen 2-horned.

Inhabits *Siberia.* *Lepech. It. 1. tab. 16. fig. 13.*

An uncertain and indistinct species.

Caspia. Thorax subglobular: abdomen oblong and varied with yellow and black bands.

Lepech. It. 1. p. 316. tab. 16. fig. 1.

Inhabits the Deserts of *Ural* and is regarded by the *Calmucs* as venomous.

Legs annulate with yellow and black: thighs ferruginous, the 2 fore-ones black.

Argentea. Thorax orbicular depressed white with 2 black fillets: abdomen ovate lobed silvery with 2 pair of dots in the middle and 4 rows behind.

Lepech. It. 1. p. 316. tab. 16. fig. 2.

Inhabits the deserts of *Ural*, and is accounted poisonous by the *Calmucs*: spins a perpendicular web,

P. Number and position of the eyes unknown.

Nobilis. Thorax orange with 6 black spots: abdomen yellow with 7 black spots.

Inhabits *Sumatra.* *Natural. Miscel ix. tab. 336.*

Head and feelers black: thorax orbicular with 6 black spots placed in a ring: abdomen oval bright yellow with 7 black spots placed 1, 2, 2, 2: legs yellow on the upper half and black on the lower.

Calceata. Hairy, grey: legs with 2 black spots at the tip above, beneath silky with a green gloss.

Inhabits *Guinea*; very large.

Feelers large hairy grey, beneath silky-brown with a green gloss, the last joint with a black spot above : *mandibles* black with red fringe within.

• *Holofericea* Abdomen ovate-oblong silky livid-brown with 2 yellow tubercles beneath.

Inhabits *Europe*. *Liller Aran. fig. 23.*

Spinimobilis Abdomen roundish yellowish-brown with 4 rows of blackish dots : thighs with black moveable spines.

Inhabits *Surinam*; size of *Avicularia*. *Albin. Aran. fig. 169.*

Head ferruginous : *thorax* naked subovate ferruginous, broader behind and convex above.

Cruentata. Black with a yellow band at the base of the abdomen : breast deep red

Inhabits *Brazil*; large.

Abdomen with 10 yellowish spots beneath : *legs* black.

6-cuspidata Brown ; back of the thorax 6-toothed with a lateral fulvous spot.

Inhabits the *Cape of good hope* ; large.

Front with an elevated obtuse tubercle with 4 eyes placed in a square ; behind this a line of 6 raised obtuse teeth, the 2 inner-ones more distant and apparently having eyes at the tip : *abdomen* thick roundish brown : *legs* brown, thighs beneath black : *flanks* compressed, beneath black with a white ring.

Hirtipes. Black : feelers and legs hairy and pale testaceous.

Inhabits *Cayenne* : small.

Tribulus. Head 3-toothed on the fore-part : abdomen covered with numerous spines.

Inhabits the *Cape of good hope* ; middle-sized.

Body grey and rough with raised dots : *head* with 3 ferruginous teeth before : *abdomen* ovate every where beset with long erect spines, some of the fore-ones bifid.

Elegans. Black with 2 white curves on the fore-part of the thorax, and a white dorsal line on the abdomen.

Inhabits *America* ; small. *Legs* testaceous.

Ocellata. Pale ; abdomen clouded, with a black ring : thighs with 3 doubled ocellate spots.

Inhabits

Inhabits *China* ; size of A. Tarantula.

Thorax and region of the *eyes* with a double black spot.

Alba. White ; abdomen with 5 impressed dots, 2-horned and depressed at the base and globular at the tip.

Lepech. It. 1. p. 245. tab. 20. fig. 1.

Inhabits *Siberia*, under the bark of trees.

118. SCORPIO. *Legs* 8, besides 2 chelæ or hands seated on the fore-part of the head : *eyes* 8, 3 placed on each side of the thorax and 2 on the back : *feelers* 2, projecting cheliform : *lip* bifid ; *antennae* 0 : *tail* long jointed and terminated by a sharp crooked sting : on the under-side, between the breast and abdomen are 2 instruments resembling a comb. *Scorpion.*

These are all armed with a slightly pungent sting : but none of them are dangerous, except in very hot climates : they prey upon worms, spiders, flies &c. and even on one another : *larva* and *pupa* 8-footed nimble and resembling the perfect insect.

Australasi- Combs with 6 teeth : hands smooth.

ce. Inhabits the *Pacific Islands* ; small.

Body depressed, above brown, the last joint of the tail paler : beneath and legs paler.

Carpathicus Combs with 6 teeth : hands slightly heart-shaped and glabrous.

Inhabits the *Carpathin* and *Helvetic Mountains*.

Probably a variety of the last. *Bern. Magaz.* 1. n. 7.

Maurus. Combs with 8 teeth : hands slightly heart-shaped and punctured.

Inhabits *Africa*. *Degeer. Inf.* 7. tab. 40. fig. 1.

Afer. Combs with 13 teeth : hands slightly heart-shaped and hairy.

Savannerd Bibl. Nat. tab. 3. fig. 3. *Barbut. tab.* 19. *Gen.* ix.

Seba Mus. 1. tab. 70. fig. 4. *Rees. Inf.* 3. tab. 65.

Inhabits *India* and *Persia*, and is very venomous.

Body.

Body glossy brownish black : incisures of the *abdomen* yellow : first joint of the *tail* ferrate.

Americanus Combs with 14 teeth : hands subciliate with filiform claws.

Degeer. Inf. 7. tab. 41. fig. 9. 20. Roef. Inf. 3. tab. 66. fig. 5.
Inhabits *South American*. Body spotted with brown.

Chilensis. Combs with 16 teeth : hands subangular.
Inhabits *Chili*. *Molin. Hist. Chil. p. 189, n. 10.*

Europaeus. Combs with 18 teeth ; hands angular.
Degeer. Inf. 7. tab. 41. fig. 5. Schaeff. Elem. tab. 113.
Roef. Inf. 3. tab. 66. fig. 1. Sulz. Inf. tab. 23. fig. 150.
Inhabits the Southern parts of *Europe*, and is said to be viviparous.
Body brown : hands long with filiform claws.

Hottentotta Combs with 22 teeth : hands smooth : tail rough.
Inhabits *Sierra Leona* ; size of the last.
Body brown and covered with small raised dots : tail with rough raised lines : legs paler.

Griseus. Combs with 25 teeth : hands subciliate and ovate,
Inhabits *American Islands* : small.
Body pale testaceous : tail as long as the body.

Australis Combs with 32 teeth : hands smooth.
Inhabits *Africa*. *Degeer. Inf. 7. tab. 41. fig. 5.*
Body brown : legs rufous : hands long rufous with filiform claws.

119. CANCER. Legs, 8 (rarely 6 or 0) besides 5 chelate hands or claws furnished with a moveable thumb : feelers 6, unequal : eyes 2, distant elongated moveable, and generally placed on peduncles : mandibles horny thick : lip triple : tail articulated and unarmed.

These mostly inhabit waters, and feed on insects worms dead fish and carcases : they every year cast off the old shell, which is performed with much difficulty and pain.

A. *Antennæ 4 filiform, all bifid at the last joint ; tail short.*
Crabs.

a. *Thorax smooth, the sides very entire.*

Rapinurus Thorax oblong-obovate, the fore-part truncate and toothed.
Inhabits *Indian Seas*. *Rumph. Mus. tab. 7. fig. T. V.*

Grapsus, Front deflected and 4-toothed before the tip : body variegated.
Inhabits *American Islands*. *Herbst. Cancr. 2. tab. 3. f. 33. 34.*
Catesby Carol. 2. tab. 36. fig. 1. Seba. Mus. 3. tab. 18. f. 5, 6.
Body above variegated with white and rufous, beneath white :
thorax retuse before and depressed with 4 indentations before
the depression, the indentations finely toothed : *thighs* compressed and spinous each side at the tip : *hands* minute, the
next joint rough, arms with an elevated line or two.

Mutus. Thorax transversely chestnut-brown on the fore-margin.
Inhabits the *Mediterranean* :
Body truncate behind : *hands* smooth : *arms* denticulate beneath.

Cordatus. Thorax waved : *hands* hearts-shaped beneath.
Inhabits *Surinam*. *Herbst. Cancr. tab. 6. fig. 38.*
Seba. Mus. 3. tab. 20. fig. 4.
Hands heart-shaped beneath.

Quadratus Thorax square with crenate sides : arms rough.
Inhabits *Jamaica* : size of *C. ruricola*.
Front inflected entire : eyes approximate pedunculate, the lower eyelid crenate ; arms toothed each side : legs hairy.

Curjor. Thorax square crenate : eyes projecting and terminating in a spine.
Herbst. Canc. 1. tab. 1. fig. 8, 9. Pall. Sp. Zool. 9. tab. 5. f. 7.
Inhabits the *Mediterranean* and *Indian Seas*. about sunset comes on shore, and wanders about the sands with great velocity.
2. Thorax heart-shaped and marked with an impressed H.
Cancer Uca. Linn. Syst. Nat. ii. 1041. 13.

Ruricola. First joint of the legs spinous, second and third with tufts of hairs.
Catesby Carol. 2. tab. 32. Sloan. Jamaic. 1. tab. 2.
Herbst. Canc. 2. tab. 3. fig. 36. and tab. 4. fig. 37.

Inhabits *South America*, in mountainous woods near the sea. It lives chiefly on land, in holes and crevices which it digs for itself; and migrates annually in vast numbers to the sea, to wash off its spawn. After this it returns again to the mountains, and provides itself with burrows, in which it secretes itself by day, going out only at night to feed. When attempted to be taken, will seize whatever is presented to it and throw off the claws, which continue to squeeze with great violence for sometime afterwards; these are renewed with its coat the ensuing season. It is very fond of the berries of the *Mancinella*, and has on that account, been supposed to be sometimes poisonous. Varies its colour, but is generally of a blackish-violet.

The younger ones have 3 rows of spines on the 3 last joints of the legs, which in the older ones are converted into tufts of black hairs.

• *Pisum*. Thorax orbicular obtuse: tail as large as the body.
Brit. Zool. iv. tab. 1. fig. 1. Herbst. Canc. 2. tab. 2. fig. 21.
 Found in Mussels: about the size of a pea.
 Tail very obtuse: legs unarmed smooth: bands oblong.

Globosus. Thorax slightly crenate; tail with 2 tubercles at the base; arms rough.
 Inhabits the shores of *Malabar*; small.
 Body subglobular: bands filiform.

Craniolaris Thorax ovate glabrous, the fore-part projecting and 3-toothed: hands 2-edged and smooth.
Herbst. Canc. 2. tab. 2. fig. 17. Seba Mus. 3. t. 19. f. 4. 10.
 Inhabits the shores of *Malabar*, where it is often found petrified.

Porcellanus Thorax ovate glabrous, obtuse on the fore-part: arms granulate.
 Inhabits *Tranquebar*. *Herbst. Canc. p. 92. tab. 2. fig. 18.*

Excisus. Thorax orbicular: hands incurved and cut at the base.
 Inhabits the *Southern Ocean*; minute.
 Thorax rounded soft whitish: eyes projecting obliquely truncate at the tip: tail inflected thin linear: bands projecting longer than the body, the arms triangular with a brown spot at the base: thighs compressed with a brown spot each side at the base.

Sagittatus. Thorax ovate: proboscis very long and serrate each side.

Inhabits

Inhabits *Guadeloupe*; small.

Behind the eyes each side is a sharp spine : *legs* in one sex moderate, varied with rufous and white, and all of them chelate: in the other sex 6 times as long, simple and filiform with cylindrical hands and equal fingers.

Granarius

Thorax ovate : front cuspidate : eyes cylindrical.

Herbst. Canc. 2. tab. 2. fig. 18. Stalb. Meer. tab. 15. fig. 1.

Inhabits *Europe*, and is hardly larger than a grain of wheat.

Minutus

Thorax nearly square with sharpish edges : legs compressed.

Brit. Zool. iv. tab. 1. fig. 2. Herbst. Canc. 2. tab. 2. fig. 32.

Sloan Fam. 2. tab. 255. fig. 1. Easter. 2. tab. 4. fig. 12.

Inhabits almost every sea.

Puillus

Thorax square ; tarsi 1-toothed.

Inhabits the *Northern Sea*: *Herbst. Canc. 2. 112. 31.*

Extremely small depressed and pale.

Pinnotheres

Glabrous ; thorax flattened at the sides before : tail carinate with tubercles in the middle.

Inhabits *Asia*. *Joust. Exsang. tab. 20. fig. 3.*

Found in the shells of *Pinnæ*, the inhabitants of which it is said to forewarn of the approach of danger.

Pinnophyllan

Thorax orbicular unequal ciliate : 4 legs placed on the back.

Herbst. Canc. ii. p. 104. tab. 2. fig. 27.

Inhabits *America*, within the *Chama Lazarus* which is said to forewarn of the approach of the Cuttle-fish.

Orbicularis

Thorax orbicular flat ; proboscis tricuspidate.

Inhabits *New Zealand*. *Herbst. Canc. 2. tab. 2. fig. 23.*

Less than *C. longicornis*. Tail conic inflexed : legs smooth.

Chelatus

Thorax ovate and less than the hands : proboscis simple obtuse : antennæ very long.

Inhabits *New Zealand* ; size of the next.

Arms large projecting 3-toothed at the tip : hands large ovate smooth with incurved fingers : antennæ twice as long as the body : hind-legs filiform, the thighs grooved.

Longicornis

Thorax orbicular, less than the hands : proboscis tricuspidate : antennæ very long.

Brit. Zool. iv. tab. 1. fig. 3. *Herbst. Canc.* ii. tab. 2. fig. 23.
Inhabits *European* and *Southern Seas* : size of the last.

•*Platycheles* Front 2-toothed : hands very large depressed and greatly fringed on the out-side : legs only 6.

Inhabits *British Coasts*. *Brit. Zool.* iv. tab. 6. fig. 12.

Body not much larger than a horse-bean and nearly round : antennæ very long : feelers fringed within : legs hairy.

Hexapus Thorax orbicular: front toothed ; antennæ longer than the body.

Inhabits *Europe*. *Herbst. Canc.* ii. tab. 2. fig. 22.

Pbilagrus. Thorax convex and 15-toothed behind.

Inhabits *Afia*. *Mus. Lud. Ulr.* 462.

Cassidens. Head shielded emarginate : arms with filiform appendages.

Inhabits *India*. *Forst. Naturf.* 17, p 206. tab. 5.

Body subdiaphanous mixed sulphur orange and green.

Tallicuna. Thorax orbicular : hands muricate.

Inhabits *Chili*. *Molin. Hist. Chil.* p. 180. 181. n. 15.

About 4 inches broad ; brown and grows red in boiling : the flesh is very delicious.

b. Thorax smooth, cut at the sides.

Corallinus. Thorax obovate 1-toothed : front 3-lobed.

Inhabits *India*. *Rumph. Mus.* tab. 8. fig. 5.

Herbst. Canc. ii. tab. 5. fig. 40. *Seba. Mus.* 3. tab. 19. fig. 2, 3.

Shells gibbous and generally with a brown margin.

Floridus. Thorax unequal spotted, the margin obtusely ferrate: hands crested.

Inhabits *India*. *Herbst. Canc.* ii. tab. 3. fig. 39.

Knorr. Delic. tab. 4 fig. 3. *Seb. Mus.* 3. tab. 19. fig. 18.

Vocans. Thorax smooth 1-toothed : one of the hands much longer than the other : eyes elongated.

Herbst. Canc. i. tab. 1 fig. 10. *Rumph. Mus.* tab. 10. f. 1.

Seba. Mus. 3. tab. 18. fig. 8. *Pijo, Brasil* tab. 78.

Inhabits *Jamaica*. *Degeer. Inf.* 7. tab. 26. fig. 12.

Found under stones, and utters a kind of cry when it is caught.

Shell truncate before and hollowed on each side for the reception of the eyes, the margins slightly crenate : is sometimes smooth sometimes rough : one of the *bands* larger with long granulate fingers.

Planatus Thorax orbicular flat. 2-toothed at the sides and 3-toothed at the front.

Inhabits *Terra del fuego* ; minute.

Tail large inflected orbicular : *legs* smooth : *colour* brown with ferruginous legs.

Apantora Thorax ovate denticulate at the sides : tail triangular.

Inhabits *Chili*. *Milín, Hist. Chil. p. 181. n. 17.*

Legs hairy : *tail* rather long.

Bispinosus Thorax smooth and 2-spined each side : front 4-toothed : hands muricate and toothed.

Inhabits *India*. *Herbst, Cancr. ii. tab. 6. fig. 45.*

Colour palish : margin of the *thorax* granulate.

Rhomboides Thorax smooth, the sides 1-toothed on the fore-part : front truncate.

Inhabits *Mediterranean*. *Herbst, Cancr. i. tab. 1. fig. 12.*

Maculatus Thorax with round red spots and 1-toothed at the sides: front 3-lobed.

Inhabits *Alia*. *Seba, Mus. 3. tab. 19. fig. 12.*

Petiv, Amboin. tab. 1. fig. 8. Rumph. Mus. tab. 10. f. 1.

Sanguineus Thorax obsoletely 2-toothed each side; front 4-lobed ; hands black.

Inhabits the *Ocean*. *Fingers* toothed within.

Pelagicus Thorax 1-spined each side and 8-toothed before ; front 6-tooth : hands with many prismatic angles.

Found among sea-weed. *Degeer, Inf. 7. tab. 25. f. 8.*

Arms spinous : *hind-legs* dilated foliaceous.

2. Back with 3 red spots and hands with 2.

Herbst, Cancr. ii. tab. 8. fig. 56. 57.

Defensor Thorax spinous each side and 8-toothed before : front 4-toothed.

Inhabits the *Southern Ocean*; size of the last.

Arms spinous : *hands* angular : last joint of the *hind-legs* ovate ciliate and pellucid.

- Hastatus.* Thorax rugged and 8-toothed each side: front 4-toothed, the teeth equal.
Inhabits *American Islands*; size of the last.
Body narrowed behind: *arms* spinous: *hands* angular.
- Armiger.* Thorax nearly smooth and 8-toothed each side: front 5-lobed: *arms* toothed each side.
Inhabits the *Southern Ocean*.
Hands angular with numerous teeth on the fingers.
- Gladiator.* Thorax 8-toothed at the sides, the hind-tooth very large: *hands* angular.
Inhabits *New Holland*; minute.
- Forceps.* Thorax 1-spined each side and 8-toothed before: *fingers* long and filiform.
Inhabits the *Ocean*; less than *C. hastatus*.
Thorax with a long sharp spine behind; *front* toothed; *arms* long and toothed within, the *fingers* long filiform and toothed within: *hind-legs* ovate.
- Victor.* Thorax crenate at the sides with a very long tooth in the middle: front 3-lobed.
Herbst. Canc. tab. 6. fig. 45. Seb. Mus. 3. tab. 20. fig. 10, 11.
Thorax roundish depressed, the middle lobe on the front slightly emarginate, the sides crenate on the fore-part with a very long tooth in the middle and unarmed behind: *colour* pale with ferruginous dots and lines; *arms* short: *hands* toothed: all the *legs* formed for swimming.
- * *Angulatus* Thorax 2-toothed each side: *hands* very long.
Herbst Can. i. tab. 1. fig. 13. Brit. Zool. iv. tab. 5. fig. 10.
Inhabits the *British Coasts*, taken at *Weymouth*.
Thorax angular: *hands* thrice as long as the body.
- Marmoratus.* Thorax slightly plaited and 3-toothed each side: front crenate emarginate: *arms* dilated and toothed at the tip.
Inhabits——middle-sized.
Thorax nearly square and plaited at the sides: *colour* variegated.
- Variegatus.* Thorax flat and 3-toothed each side: front very entire: *legs* variegated.
Inhabits *American Islands*: small.
Body above depressed ferruginous, with 3 teeth at the upper end: *front* acute between the eyes: *legs* compressed, *thighs* 1-toothed each side at the tip.

- Xairus*. Thorax 3-toothed at the sides: front truncate.
Inhabits *Chili*. *Molin. Hist. Chil. p. 181. n. 17.*
Body hemispherical, about 2 inches and a half broad.
- * *Manus*. Thorax smoothish with 5 ferrate teeth each side: front 3-lobed: joint next the hands 1-toothed.
Brit. Zool. iv. tab. 2. fig. 5. Baister. 2. tab. 2.
Inhabits *Europe* and *Asia*: lurks under sea weed or burrows under the sand: colour dirty-green and becomes red when boiled.
- 5-dentatus*. Thorax smoothish with 5 teeth each side: front 4-toothed: joints next the hands slightly toothed: tail inflected narrow.
Inhabits—*Mus. Lesk. p. 83. n. 12.*
- Cimicoides*. Thorax orbicular 5-toothed each side and truncate before: tail inflected, the third joint longer and pointed.
Inhabits—*Mus. Lesk. p. 83. n. 13, b. small.*
- * *Pygmaeus*. Thorax smoothish with 5 teeth each side: front very entire: middle joints of the hands 1-toothed.
Inhabits the *British Coasts*; small.
Hands smooth, the fangs unarmed.
- * *Latipes*. Thorax 5-toothed each side: front 3-toothed: middle joints of the hands 1-spined: ends of the hind-legs broad and ovate.
Inhabits *British Coasts. Brit. Zool. iv. tab. 1. fig. 4.*
Shell subcordate: *thorax* deeply notched before for the reception of the eyes.
- Parvulus*. Thorax 3-toothed each side and marked with impressed lines above: front entire.
Inhabits *American Islands*; minute.
Legs short smooth, fingers tip with black.
- * *Depurator*. Thorax 5-toothed each side: hands compressed at the tip: hind-legs ovate.
Brit. Zool. iv. tab. 2. fig. 6. Seba. Mus. 3. tab. 18. fig. 9.
Inhabits *European Seas*, and feeds on dead fish.
Body subcordate: *front* indented: *hands* angular, the next joint 1-spined: *hind-egs* fringed. A variety is found with a tuberculate surface.

- Dromia*. Hairy; thorax toothed each side: hind-legs with double claws.
Rumph. Mus. tab. 11. fig. 1. Seb. Mus. 3. tab. 18. fig. 1—3.
 Inhabits *East Indian Seas*, and is poisonous.
- 6-dentatus*. Thorax 6-toothed each side: front 8-toothed: hands spinous.
Herbst. Cauc. tab. 7. fig. 52. tab. 8. fig. 53.
 Inhabits *East India*; resembles the next.
 Thorax flat with an impressed wrinkle or two; hands spinous with red fingers.
- Feriatius*. Thorax 5-toothed each side: hands many angled and ovate, the second joint 1-toothed.
 Inhabits the *Indian Ocean*.
- Lancifer*. Thorax subtuberculate 1-spined each side and 4-toothed before; fore-legs lineate, hind-ones ovate.
 Inhabits the *Pacific Ocean*: middle-sized.
 Thorax ovate, with 6 tubercles on the back: front 3-lobed: hands with spinous protuberances, the fingers toothed within: thighs of the first 6 legs toothed on the inner margin, the last joint but one with a sharp long spine before the tip, the last lanceolate and acute; thighs of the hind-legs smooth, the last joint but one acute with a rounded obtuse ciliate lamina: colour dull ferruginous.
- * *Pagurus*. Thorax with 9 obtuse plaits each side: hands tipt with black.
Brit. Zool. iv. tab. 3. fig. 7. Bradl. Nat. tab. 3. fig. 4.
 Inhabits the rocky coasts of *Europe* and *India* and is the most in repute for its food.
 Front 5-toothed: hind-legs subulate.
- Fornicatus*. Thorax unequal, the hind-angles dilated and crenate: proboscis depressed acute: hands triangular, the angles toothed.
 Inhabits *India*: small. *Herbst. Cancr. 6. tab. 13. fig. 79, 80.*
 Shells flesh-colour with 4 tubercles and very much dilated at the sides: proboscis crenate at the sides: arms compressed, one of them toothed at the margin, the other dilated at the tip: legs ciliate.
- 11-dentatus*. Thorax nearly smooth with 11 crenulate teeth each side: proboscis 3-toothed: fingers tipt with black.
 Inhabits *America*. *Herbst. Cancr. 5. tab. 10. fig. 60.*
 Thorax subvillous unequal with 11 ferrate teeth each side: legs hairy: hands subspinous.

Granulatus. Thorax nearly smooth and crenate, the hind-margin dilated and 5 toothed: hands crested.

Inhabits the *Mediterranean*. *Catesby Carol.* ii. tab. 36.

2. Hind margin 6-toothed. *Herbst. Canc.* fig. 7.

Tuberculatus. Thorax tuberculate and many-toothed, the hind-angles dilated with crenate teeth: hands toothed.

Inhabits the *Pacific Ocean*; resembles the last.

Thorax gibbous with many tubercles and 2 impressed lines: proboscis short obtuse and slightly reflected at the margins: legs simple, the fingers striate and tipped with red; second joint of the hands tuberculate and acute: hands tuberculate.

Calappa. Thorax crenulate, the hind-angles dilated and very entire, hands crested,

Inhabits *America*. *Herbst. Canc.* 6. tab. 12. fig. 73, 74.

Seba. Mus. 3. tab. 20. fig. 7. 8. *Rumph. Mus.* i. 11. f. 2. 3.

Resembles the last but is twice as large.

Spinifrons. Thorax 5-toothed each side, the second and third tooth bifid: front and hands many-spined.

Inhabits—*Herbst. Canc.* tab. 9. fig. 58.

Proboscis bifid: fingers tipped with black: all the legs furnished with claws.

Indicus. Thorax very rugged obtuse and 4-lobed each side.

Inhabits *India*. *Seba. Mus.* 3. tab. 19. fig. 17.

Legs compressed, the fingers hairy brown with ferruginous claws.

Depressus. Thorax nearly smooth and 4-toothed each side: thighs 1-toothed, claws ferrate beneath.

Inhabits *Jamaica*. *Herbst. Canc.* 2. tab. 3. fig. 35.

Small, depressed, variegated with grey and rufous: lip doubled and dotted with black: front 4-cleft: thighs with a black spot in the middle: hands small.

Ochirodes. Thorax unequal, obtusely toothed each side: proboscis bifid: hands warty.

Inhabits *India*. *Herbst. Canc.* 5. tab. 8. fig. 54.

Thorax with 4 or 5 short obtuse teeth each side: arms short tuberculate: all the legs furnished with claws.

Laetatus. Thorax with 4 ferrate lobes each side: hands ovate smooth.

Inhabits—*Herbst. Canc.* 2. f. 116.

c. *Thorax hairy or spinous on the back.*

- Agagophila*. Very hairy; thorax globular unarmed: fingers naked and toothed within.
Inhabits the Southern Ocean; small.
Body covered over with thick long grey-brown hairs except the fingers: first pair of antennæ nearly as long as the body and hairy: front with 2 short teeth: tail gibbous inflected hairy: all the legs armed with a sharp naked claw, the last reflected.
- Cylindrus*. Thorax with 2 grooves, the sides dilated cylindrical and spinous at the tip.
Inhabits Tranquebar. *Herbst Canc. 2. tab. 2. fig. 29—31.*
Small. Front obtuse and grooved in the middle: thorax with 2 large grooves and a transverse one on the fore-part, all hairy within: sides of the thorax whitish with red dots, rough and armed at the tip with a strong sharp spine: tail whitish rough with 2 longitudinal grooves in the middle: legs and arms very thin.
- Chabrus*. Thorax hairy suborbicular unarmed: hands ovate muricate.
Inhabits the Indian Ocean.
- Lanatus*. Thorax hairy rugged and toothed each side: proboscis 2-toothed.
Inhabits the Mediterranean. *Planc. Conch. 36. tab. 5. fig. 1.*
2. Cancer Facchino. *Herbst. Canc. tab. 11. fig. 68.*
- Majcarinus*. Thorax nearly smooth ovate unarmed; proboscis bifid, the lobes 2-toothed.
Inhabits the Mediterranean. *Herbst. Canc. tab. 11. fig. 69.*
Legs rounded, all of them furnished with claws.
- Nasutus*. Thorax covered with prickles: proboscis bifid, with 2 teeth above and one beneath.
Inhabits Norway; about the size of a pea.
Eyes pedunculate black: thorax legs and arms covered with sharp prickles: hands ovate spinous.
- Setosus*. Hispid; thorax obcordate tuberculate: proboscis bifid inflected.
Inhabits Chili. *Molin. Hist. Chil. p. 18. n. 18.*
- Coronatus*. Thorax obovate with a dorsal crenate apophysis.
Inhabits Chili. *Molin. Hist. Chil. p. 182, n. 20.*
Shell glabrous, about 4 inches wide.

- Santolla.* Thorax prickly arched and subcoriaceous: hands covered with a pellicle.
Inhabits *Chili*. *Molin. Hist. Chil. p.* 182. n. 19.
- Nasus.* Thorax ovate, covered with long fasciculate hairs: hands smooth.
Inhabits the *South Sea*. *Herbst. Cancr. 7. tab.* 14, fig. 86.
First pair of *antennae* long, the joints hairy at the tip: *proboscis* bifid, the divisions acute and hairy: *thorax* with 7—8 larger teeth on the fore-margin: *arms* toothed on the dorsal margin: *hands* smooth, the thumb 1-toothed, the next joint grooved, the margin toothed: *tail* broad and nearly orbicular.
- Hircus.* Thorax woolly tuberculate: *proboscis* bifid: hands smooth.
Inhabits *Jamaica*; not half as large as *C. Araneus*.
Fingers tipped with white: *legs* hairy with curved white claws.
- * *Araneus.* Thorax ovate hairy tuberculate: *proboscis* bifid: hands ovate.
Inhabits *Europe*. *Brit. Zool. iv. tab.* 9. fig. 16.
Hands long, oblong-oval: *legs* slender long.
- Opilio.* Thorax prickly, the hind-margin 3-toothed: hands nearly smooth.
Inhabits the *Mediterranean*: size of the last.
Proboscis short bifid: *thorax* tuberculate and prickly: *legs* smooth, thighs 3-toothed at the tip: *arms* prickly: *hands* a little tuberculate on the back.
- Condylatus.* Thorax ovate prickly, with 3 erect spines above the tail: hands muricate.
Inhabits the *Mediterranean*. *Herbst. Cancr. 7. tab.* 92.
Size of *C. araneus*. *Thorax* unequal many-spined; the dorsal line behind with 3 large tubercles, the first granulate, the second 2-spined, the third less and 3-spined: *thighs* armed with a spine before the tip.
- Ovis.* Thorax hairy ovate and 4-spined each side: *proboscis* bifid: hands ovate.
Inhabits *East India*. *Herbst. Cancr. fig.* 74.
- Muricatus.* Thorax hairy unequal with a dorsal line and 2 dorsal spines each side, 4 marginal ones: *proboscis* bifid.
Inhabits *East India*. *Herbst. Cancr. fig.* 75.

Thorax tuberculate with a spinous dorsal line and 2 erect spines each side; the margin is also 4-spined: *legs* unarmed.

Rostratus. *Thorax* pubescent obcordate with 2 erect spines on the back: hands oblong compressed.

Inhabits *Europe.* *Herbst. Cancr.* 7. tab. 15. fig. 90.

**Hirtellus.* *Thorax* hairy and 5-toothed each side: hands muricate without.

Inhabits *Europe.* *Brit. Zool.* iv. tab. 6. fig. 11.

Body small reddish: *legs* subulate,

**Velutinus.* *Thorax* velvety 5-toothed at the sides: hands granulate, with small spines round the top of the second joint: ends of the hind-legs broadly ovate.

Inhabits *Anglesea.* *Brit. Zool.* iv. tab. 4. fig. 8.

Thorax subangular, covered with fine velvety down: front 3-lobed: *legs* velvety and fringed with fine hair.

**Corrugatus.* *Thorax* wrinkled, with 5 ferrate teeth at the sides: 2 first joints of the arms with a strong spine: ends of the hind-legs ovate.

Inhabits *Scotland.* *Brit. Zool.* iv. tab. 5. fig. 9.

Cupheus. *Thorax* villous ovate, obtuse before and 3-toothed behind.

Inhabits *Asia.* *Rumph. Mus.* tab. 10. fig. D.?

Mucosus. *Thorax* villous and 3-toothed each side: proboscis 2-toothed and 1-toothed at the sides.

Inhabits the *Mediterranean.* *Herbst. Cancr.* 7. p. 213. n. 107.

About the size of an Acorn. *Thorax* obovate and covered with felt incurved down: *claws* of the legs subulate and toothed within: hands smooth linear.

Tribulus. *Thorax* with 8 spines: legs filiform: proboscis bifid.

Inhabits the *Mediterranean.* *Herbst. Cancr.* n. 123.

Thorax leech-shaped with 4 tubercles: *legs* unarmed.

Cristatus. *Thorax* prickly: proboscis projecting bifid crested: legs prickly.

Inhabits the *Ocean.* *Rumph. Mus.* tab. 8. fig. 1.?

Erinaceus. *Thorax* ovate and very spinous, the marginal spines longer and toothed: arms prickly: hands filiform.

Inhabits the *Indian Ocean*; small.

Proboscis bifid: *legs* simple muricate.

Barbatus.

- Barbatus.** Thorax square hairy and very spinous on the fore-part: antennæ longer than the body.
In the *Bay of Naples*: large.
Feelers ciliate: first joint of the *fore-antennæ* 1-spined at the tip: eyes on a long cylindrical petiole: *proboscis* bifid: *tail* ovate and pointed at the tip: *hands* longer than the body, the arms hairy with 3 lines of strong rufous spines.
- Superciliofus.** Thorax prickly, the ocular spines with 3 branches: hands round.
Herbst. Canc. fig. 81. Seba. Musf. 3, tab. 18. fig. 11.
Inhabits *India*. Eye-brows dilated.
- Punctatus.** Thorax ovate crenate and toothed behind.
Brown Jamaic. tab. 42. fig. 3. Herbst. Canc. t. 2. f. 14. 15.
Thorax with 3 incisures on the front: *hands* long: *body* dotted all over.
- Nucleus.** Thorax orbicular and 2-spined behind: arms granulate.
Herbst, Canc. 2. tab. 2. fig. 14. Sulz. Inf. t. 31. f. 3.
Inhabits the *Mediterranean*. *Proboscis* 2-toothed.
- Cornutus.** Thorax prickly: *proboscis* with 2 horned-shaped bearded spines: hands rounded.
Inhabits the *Mediterranean*: size of *C. araneus*.
Shell rough unequal with a prickly dorsal line, above the tail are 2 larger prickly ones, the margin armed with 8 strong spines: *hands* smooth: legs hairy.
- 7-spinosus.** Thorax with a very long sharp spine each side and 5-spined behind: hands filiform.
Inhabits the *Indian Ocean*; small.
Thorax glabrous and smooth above: *proboscis* emarginate.
- Dodscos.** Thorax prickly projecting and ascending: *proboscis* acute bifid: legs very long.
Inhabits the *Mediterranean*. Hands spinous.
- Scorpio.** Thorax pubescent with 4 erect spines: fore-legs very long.
Inhabits *Europ.* *Brit. Zool. iv. tab. 9. fig. 18.*
Body small: *proboscis* short obtuse tricuspidate: behind the eyes a strong erect spine: shell rugged unequal: tail ovate smooth: colour rufous, the legs dotted with white.
- Phalangium.** Thorax pubescent, with 3 sharp erect spines before and obtuse tubercles behind: *proboscis* bifid.

Inhabits the *Ocean*. *Brit. Zool.* iv. tab. 9. fig. 17.

Before each eye is a spine: shells heart-shaped, the margin toothed: legs very long slender and hairy.

Vespertilio. Thorax heart-shaped and very hairy; front emarginate.

Inhabits *India*; small and covered with thick cinereous hair without spines or marginal teeth

Puber. Thorax heart-shaped hairy and 5-toothed each side: hands 1-toothed and tipped with black.

Inhabits the *Mediterranean*; larger than *C. grapsus*.

Front with 3 obtuse crenate teeth: shells rugged brown with rufous hair: hands and the joint beneath 1-toothed: hind-legs compressed ovate.

Holosericeus. Thorax heart-shaped pubescent and 6-toothed each side: front 8-toothed: hands spinous.

Inhabits *New Holland* and *India*; small.

Hands 4-spined, the next joint 2-toothed, arms 3-toothed hind-legs ovate: claws of the legs rufous.

Quadrident. Thorax heart-shaped depressed hairy unequal: tail 4-toothed at the base.

Inhabits *East India*; small.

Proboscis emarginate: hands granulate.

Aculeatus. Thorax covered with prickles: proboscis long bifid, with 5 teeth above and one beneath.

Inhabits the *Norway Seas*: small.

Body ovate, the margin spinous: tail ovate rough: all the legs spinous.

Maja. Thorax prickly: hands ventricose spinous, the fingers with tufts of hairs: legs 6.

Inhabits *Norway*. *Seba. Mus.* tab. 18. fig. 10. t. 22. f. 1.

Mammillaris. Thorax ovate prickly and 3-spined at the sides: proboscis short 3-toothed.

Inhabits *China*; middle-sized.

Thorax with a distinct rufous spot: tail with 2 spines: arms very short toothed: hind-legs ending in a lanceolate lobe.

**Horridus*. Thorax heart-shaped and with the hands and legs covered with numerous spines.

Brit. Zool. iv. tab. 8. fig. 14. *Rumph. Mus.* t. 9. f. 1.

Body large: proboscis forked: spines rufous or black.

Chiragra.

- Ghiragra.* Thorax tuberculate unequal: proboscis flat retuse: leg tuberculate.
Inhabits the *Mediterranean*.
Before the *eyes* is an obtuse tubercle: *legs* curved.
- Genagra.* Thorax tuberculate and toothed on the fore-part: hands tuberculate.
Inhabits *Jamaica*. In the museum of Sir *Jos. Banks*.
Thorax unequal and 7-toothed at the sides: *proboscis* o, but the shell is cleft on the front: *fingers* obtusely toothed and brown: *legs* compressed hairy.
- Nodalosus.* Thorax covered with tubercles and crenate at the sides: claws of the legs spinous.
Inhabits—In the museum of Sir *Jos. Banks*.
Proboscis o, but the thorax is notched before: *hands* tuberculate, with a black finger.
- * *Longimanus.* Thorax orbicular and prickly: arms very long and prickly, hands very short.
Nat. Miscel. xi. tab. 408. *Seba Mus.* 3. tab. 20, fig. 12.
Inhabits *Europe* and *India*.
Front 3-spined: *thorax* edged round with spines; *arms* spinous: *legs* smooth.
- Hystrix.* Thorax with a very long spine each side and 5 behind: arms filiform.
Inhabits the *Indian Ocean*.
Body ovate glabrous smooth, the front notched, the margin entire: *legs* filiform.
- Spinifer.* Thorax unequal and spined: second pair of legs very long.
Inhabits the *Asiatic Sea*.
- Lar.* Thorax hairy with a spinous dorsal line and spine on each side: legs very long.
Inhabits *East India*; larger than *C. Phalangium*.
Thorax ovate tuberculate: *proboscis* projecting bifid: *arms* filiform.
- Longipes.* Thorax prickly: hands ovate rough: hind-legs very long.
Inhabits *India*. *Rumph. Mus.* tab. 8. fig. 4.
- Germanus.* Thorax unequal with a spine on the front and another above the tail.

Inhabits the *German Ocean*. Hands smooth.

Body very minute: front with an ovate lamina between the eyes terminating in a spine: tail round, of 5 globular joints.

Auritus. Thorax 1-spined before, with a grooved and softish back.

Inhabits *Iceland*; small.

Shell with a small erect spine behind the eyes; arms 1-spined at the base and tip: thumb 1-toothed.

Cruentatus. Thorax tubercular and red: proboscis linear truncate.

Inhabits the *Mediterranean*. Scopol. Ent. Carn. 1134.

Body spotted with white at the tip: bands oblong smooth 2-toothed: legs warty.

Hepaticus. Thorax semicircular gibbous warty, the margin ferrate.

Inhabits *America* and *India*. Herbst. Canc. 6. n. 39.

Scruposus. Thorax tuberculate and flattish, the margin prickly: hands crested at the inner margin.

Inhabits *India*. Herbst. Cancr. 6. n. 90.

**Tetradon*. Thorax heart-shaped uneven and spinous: front with 4 long projecting spines.

Inhabits *British Coasts*. Brit. Zool. iv. tab. 8. fig. 15.

Arms spinous, the hands smooth and long: legs slender.

**Tuberosus*. Thorax tuberosus: front slightly bifid: legs short.

Inhabits *British Coasts*. Brit. Zool. iv. tab. 9. A. fig. 19.

**Asper*. Thorax heart-shaped spinous: proboscis 2-spined: arms and legs spinous.

Inhabits *British Coasts*. Brit. Zool. iv. tab. 9. fig. 20.

B. *Antennæ pedunculate: the fore-ones setaceous, hind-ones filiform the last joint bifid: tail naked and vesicular.*
Pagurus.

These are generally parasitic and inhabit the empty cavities of turbinate shells, changing their habitations as they increase in growth; the tail is naked and tender and furnished with a hook or two to secure itself in its habitation.

Latr. Thorax 4-cleft at the sutures: tail simple and ventricose beneath.

Rumph. Mus. tab. 4. fig. H, I. Seb. Mus. 3. t. 21. f. 1, 2.

Inhabits *East India*, in holes of rocks: wanders about on land by night in search of Cocoa-nuts, which it procures by climbing up the trees and throwing them down and afterwards tearing them open with its hands. The flesh is good if the entrails are taken out.

Aniculus. Thorax ovate and fringed at the sides: legs rugged and hairy.

Inhabits the *Southern Ocean*: large:

Mouth hairy: *proboscis* bifid: thorax smooth and soft behind: hands ovate, the fingers with a few tufts of red hairs: legs 2, 3 long rugged hairy with compressed thighs, 4, 5. short,

* *Bernhardus.* Hands muricate, the right one larger.
Brit. Zool. 4. tab. 17. fig. 38. Baill. t. 10. f. 3, 4.

Inhabits *European Seas*, in turbinate shells:

Thorax ovate smooth: legs rough.

Hungarus. Hands hairy and tipped with black, the right one larger: body with red bands.

Inhabits *East India.* *Herbst. Canc. fig. 122.*

Peduncles of the eyes pale with red bands: body smooth: hands and legs hairy.

Diogenes. Hands smooth pubescent, the left one larger.

Nat. Mycel. v. tab. 160. Gatach. Carol. 2. tab. 33. fig. 1, 2.

Inhabits *American and Indian Seas.*

Miles. Left-hand larger and muricate each side; legs with very long claws.

Inhabits *East India.* *Herbst. Canc. fig. 114.*

Chrysatus. Thorax smooth entire compressed: left-hand larger and with the legs punctured.

Inhabits *East India.* *Herbst. Canc. fig. 116, 117.*

Body small whitish: antennae brown: hands white with purple dots and a blue spot at the margin: legs white with purple dots.

Eremita. Hands rough and nearly equal: the 6 fore-ones furnished with a thumb.

Inhabits *Italy*; less than *C. Diogenes*.

Tabularis. Subcylindrical; shell with excavated dots.

Inhabits the *Mediterranean*, in the shell of the *Serpula glomerata*:

- Ocularus.* Hands muricate equal: peduncles of the eyes as long as the body.
Inhabits the *Ocean*, in the *Murex Brandaris*.
Body ferruginous: peduncles of the eyes armed with a tooth at the base: arms with a red spot each side, hands rough.
- Alatus.* Hands smooth with 3 wing-like projections, the right-one larger.
Inhabits *Iceland*, less than the last.
Joint beneath the hands rough.
- *Aranei-formis.* Hands rough; tail callous at the tip and furnished with a single hook.
Inhabits *Scotland*, in the fissures of rocks.
Body small dull cinereous: margin above the eyes with 2 small spines: hands ovate: 4 bina-legs obtuse reflected: tail cylindrical soft ending in a globular callus and a single hook.
- C. *Antennæ unequal; the fore-ones pedunculate; hind-ones sessile, the last joint setaceous: tail foliaceous.* Galathea.
- *Strigofus.* Thorax plaited on the fore-part with ciliate wrinkles: proboscis sharp, with 7 denticles.
Nat. Miscell. ix. tab. 314. *Brit. Zool.* iv. tab. 14. fig. 26.
Inhabits *Europe*; about 6 inches long.
Arms spinous: legs only 6, spinous.
- *Brachiatu.* Thorax with ciliate plaits on the fore-part: proboscis sharp, with 3 denticles: arms extremely long.
Inhabits *Europe.* *Nat. Miscel.* viii. tab. 282.
Pennant Brit. Zool. iv. tab. 14. fig. 27.
Fore-margin of the thorax acute: legs only 6, filiform: arms spinous.
- Gregarius.* Thorax with ciliate plaits: proboscis 3-toothed: fore-feelers very long.
Inhabits the sea round *Patagonia* and appears sometimes in such vast shoals, that the sea appears perfectly red.
Hands rough: colour red with a brown dorsal spot.
- Amplectens.* Thorax smooth: proboscis very short and emarginate: middle pair of legs very long.
Inhabits the *Atlantic*, near *Brazil* and shines by night.
Body small whitish subdiaphanous and covered with red specks: fore-antennae serrate: tail of five leaves, the middle-one tongue-shaped.

D. *Antennæ pedunculate, the fore-ones long setaceous, hind-ones cleft: tail foliaceous.* Astacus.———Lobsters.

a. *Hind-pair of Antennæ bifid.*

**Gammarus.* Thorax smooth: proboscis toothed at the sides with a double tooth at the base above.
Brit. Zool. iv. tab. 10. fig. 21. Basker. 2, tab. 1.
 Inhabits most rocky shores, and is the species most in repute for its delicious meat.

**Astacus.* Thorax smooth: proboscis toothed at the sides with a single tooth at the base each side. *Craw-fish.*
Brit. Zool. iv. tab. 15. fig. 27. Degeer. 7. t. 20. f. 1.
 Inhabits Rivers, and lodges itself in holes made in the clayey banks: flesh excellent.
Hands large tuberculate: 4 first legs chelate.

**Homarus.* Thorax prickly before: front 2-horned: arms without hands or chelæ.
Brit. Zool. iv. tab. 11. fig. 22. Seba. Mus. 3. t. 21. f. 5.
 Body marked with round white spots: first pair of *antennæ* extremely long and spinous at the base; segments of the *abdomen* with a spine each side: *legs* ending in a hairy claw.

Serratus. Hands serrate: tail muricate each side by a triple row of spinous protuberances.
 Inhabits *New Holland.* *Zool. N. Holl. 2. p. 28, tab. 8.*
 About the size of the common lobster: *antennæ* smooth testaceous: *thorax* smooth on the upper-part, the sides muricate with tubercles and spines; *hands* equal serrate on the edges by a double row of sharp protuberances: *legs* serrate. *tail* with a triple row of sharp points, between which are a few smaller ones: *body* red, blue on the sides of the hands.

Elephas. Thorax muricate with 4 spines on the fore-part; the middle-ones larger and toothed.
 Inhabits *American Islands.* *Herbst. Canc. fig. 138.*

Narval. Proboscis very long ascending compressed and serrate each side.
 Inhabits the *Mediterranean.* *Herbst. Canc. fig. 134.*
 Middle leaf of the *tail* subulate.

Carcinus. Thorax smooth; hands roundish: arms rough with prickles.
Sloan. Jan. 2. tab. 245. fig. 2. Seba. Mus. 3. t. 21. f. 4.
 Inhabits rivers of *America.*

- Fulvus.** Thorax smooth: proboscis short and serrate each side: hands compressed and crenate each side.
Inhabits the *Ocean*: middle-sized.
Thorax cylindrical: arms tuberculate: hands ovate compressed hairy, beneath smooth, fingers toothed within.
- Cærulescens** Body blueish: thorax smooth: proboscis projecting subulate and 2-toothed.
Inhabits frequently between the *Tropic*: small.
Thorax with 2 small teeth at the base of the proboscis: first segment of the *abdomen* very large: middle leaf of the *tail* emarginate: arms very short round with minute hands: legs filiform.
- Fulgens.** Proboscis very short and subulate: legs simple.
Inhabits the *Sea* round *Brazil*, and shines by night.
Body small whitish subdiaphanous: all the 8 legs simple.
- Homari.** Segments of the body subspinous on the back: tail fasciculate and armed with serrate styles.
Inhabits *Norway*. *Atl. Hafn.* 10, 5. *tab.* 2.
Minute. Head ovate without proboscis: legs 7 pair, each with an ovate lamina within, 3 pair of them ciliate and cleft at the tip: tail with numerous serrate styles.
- Harengum.** Proboscis subulate: eyes globular and prominent.
Inhabits the *Ocean*, and is the chief food of Herrings and Cod-fish. Body minute filiform white.
Eyes large globular approximate black: proboscis subulate acute: legs 6 pair simple; 5 pair formed for swimming and composed of 2 joints, the first glabrous, the second ciliate and bifid: middle leaf of the *tail* tricuspidate,
In the *male* the first and second joints of the peduncle of the antennæ have a hook at the tip.
- Crassicornis** Thorax articulate: sixth pair of legs very long.
Inhabits the *Amer. can Ocean*: small, reddish.
Thorax carinate on the back and composed of 8 articulations, the fore part reticulate and without proboscis: fore-antennæ longer than the body: legs 8, all of them simple, the sixth pair twice as long and serrate on the thighs: tail with 6 filiform styles.
- Histrio.** Thorax 2-toothed at the margin: proboscis lanceolate serrate: body variegated.
Inhabits *Greenland*; size of *C. crangon*.

Feelers spinous at the tip: *body* variegated with rufous and cinereous: middle leaf of the *tail* with 2 spinous lines.

- Planus.** Proboscis very short and subulate: hands very long with a compressed carinate finger.
Inhabits—Size of *C. Crangon*.
Body smooth pale immaculate: *hands* flat above reddish beneath yellowish with a single raised line: *legs* yellowish.
- Cylindrus.** Body cylindrical and furnished with rounded united fin-like processes: left hand larger than the thorax.
Inhabits the *Indian Ocean*.
Thorax smooth pale without proboscis: *tail* of 3 leaves, the outer ones larger and rounded: *legs* filiform.
- Malabari-cus.** Thorax smooth unarmed: right hand larger: legs filiform.
Inhabits *Malabar*; size of *C. crangon*.
 Left *band* longer and filiform.
- Carinatus.** Thorax with a toothed keel: proboscis short recurved and 3-toothed at the tip.
Inhabits—In the museum of Sir *Jos. Banks*.
Thorax with an elevated 4-toothed ridge which projects forwards into a recurved truncate proboscis; fore-margin 1-toothed, a sharp incumbent spine nearly in the middle of the thorax: *abdomen* with a carinate ridge which is spinous before and behind.
- Boreas.** Thorax prickly; second and third pair of legs filiform.
Inhabits the *North Sea*. *Phipps* 190. *tab.* 12. *fig.* 1.
Proboscis short depressed grooved each side and acute, beneath with a strong tooth: *hands* smooth.
- Groenlandicus.** Fore-margin of the thorax and proboscis toothed: feelers spinous at the tip: body brown.
Inhabits the Sea round *Greenland*.
Proboscis with 3 teeth above and 2 beneath: first *antennae* very long and variegated with red and white: *thorax* 3 toothed on the fore-margin, the back carinate with 4 teeth: segments of *abdomen* ending in a spine each side: middle leaf of the *tail* with 2 toothed lines behind.
- Varini.** Thorax 1-toothed at the margin: proboscis ferrate each side: body variegated.
Inhabits the *Norway Ocean*.

Fore-antennae longer than the body, rufous with 4 white spots: *abdomen* cinereous with numerous oblique rufous bands: middle leaf of the *tail* subulate: second pair of *legs* filiform and longer than the others.

Emeritus, *Antennæ* bifid? hands 0: legs 5 each side and all formed for swimming.

Inhabits the *Indian Sea*. *Gronov. Zooph. tab. 17. fig. 8, 9.*

Cementarins. *Thorax* smooth cylindrical: proboscis obtuse: hands prickly. *Molin. Hist. Nat. Chil. p. 183. n. 21.*

Inhabits rivers of *Chili*: about 8 inches long and brown with red veins: the flesh is in great esteem.

b. *Hind pair of antennæ trifid.*

**Norwegicus*. *Thorax* spinous on the fore-part: hands prismatic with spinous angles.

Inhabits *Europe*. *Degeer. Inf. 7. tab. 24. fig. 1.*

Brit. Zool. iv. tab. 12. fig. 24. Seba. Mus. 3. t. 21. f. 3.

Proboscis long spinous; *legs* long slender.

**Squilla*. *Thorax* smooth: proboscis ferrate above and 3-toothed beneath: margin of the thorax 5-toothed. *Prawn.*

Brit. Zool. iv. tab. 16. fig. 28. Bast. 2 tab. 30. fig. 5.

Inhabits the *European Ocean* and the *Baltic*.

2. About half the size and is white when boiled.

Penn. Brit. Zool. iv. p. 19. n. 29. White prawn.

Proboscis generally turned up and bifid at the end.

Pennaceus. *Thorax* smooth: proboscis projecting and ferrate above, beneath smooth: fingers filiform.

Inhabits the *Ocean*; less than the last.

Margin of the *thorax* 1-toothed each side; *hands* short ovate with linear acute fingers.

Serrator. *Thorax* smooth subcarinate: proboscis ferrate each side.

Inhabits the *Norway Seas*; less than *C. squilla*.

Proboscis lanceolate and smooth at the tip: *thorax* with an elevated lateral line: *legs* filiform.

**Crangon*. *Thorax* smooth: proboscis short and very entire: hands with a single moveable fang. *Shrimp.*

Brit. Zool. iv. tab. 15. fig. 30. Seb. Mus. 3. t. 63. f. 1, 2.

Inhabits Sandy Shores and is a very rich and good food.

Legs only 6: middle leaf of the tail subulate.

Tettigonus, Thorax spinous: 4 fore-legs filiform.

Inhabits *Iceland*

Proboscis short inflected 2-toothed: *thorax* with a 2-toothed ridge, the margin 1-toothed: *hands* with a single moveable fang.

E. *First pair of antennæ pedunculate setaceous; second pair pedunculate, the peduncle setaceous and cleft; shell of the thorax extremely short.* Squilla.

Maculatus. Hands with a single fang, compressed falcate and ferrate: body very smooth: tail subtruncate and very smooth.

Inhabits *East India*. *Rumph. Mus. tab. 3. fig. 2.*

Body whitish with blueish-brown bands; the last segment tipped with brown with 2 whitish marginal spots, the margin with a spine or two.

* *Mantis*. Hands with a single fang, compressed falcate and ferrate: body subangular: tail ferrate with spines.

Seba Mus. 3. tab. 20. fig. 2, 3. Marc. Bras. tab. 187.

Inhabits *European Asiatic and Indian Seas*; is eaten as a delicacy by the *Italians*.

Scyllarus. Hands with a single fang, ventricose straight angular and 3-toothed within.

Inhabits *Asia*. *Seba Mus. 3. tab. 20. fig. 6.*

Ciliatus. Hands with a single fang, falcate compressed 3-toothed: 2 last segments of the abdomen ciliate with spines.

Inhabits the *Indian Ocean*.

Tail with 4 leaves spinous at the tip: *legs* filiform.

Chiragricus Hands with a single fang, subulate with a rufous protuberance at the base.

Inhabits the *Southern Ocean*.

Feelers 6 approximate: *thorax* with 2 grooves, the anterior plate moveable and 3-toothed: *abdomen* of 11 rounded smooth segments, the tenth with 6 raised spinous lines, the last with elevated spinous lines and a spinous hind margin: *tail* inserted under the tenth segment with 3 leaves each side, the outer ones linear with a finely toothed outer margin, the middle-one bifid, the inner-one ovate and fringed.

Vitreus, Hands falcate subulate entire: thorax smooth caripate with subulate angles.

Inhabits the *Atlantic*: small pellucid and membranaceous.

Thorax an oblong square with spinous margins: *proboscis* long subulate acute: *tail* large ovate 6-toothed each side with 3 small leaves, the middle one truncate: *legs* 10.

F. *Antennæ pedunculate and very simple.* Gammarus.

Ampulla. Hands without fangs: legs 14: hind-thighs compressed dilated.

Inhabits the *Northern Ocean.* *Phipps. tab. 12. fig. 3:*

Body nearly white; *proboscis* short incurved and very sharp: *tail* with 6 leaves, the last joint bifid.

Nagax. Hands without fangs: legs 14: 6 hind-thighs compressed dilated.

Inhabits *North Seas.* *Phipps. tab. 12. fig. 3.*

Carino-spinosus. Hands without fangs: legs 14: back carinate and spinous. Inhabits——In the *British Museum.*

Body whitish subcompressed; the hind segments a little spinous.

Cancellus. Hands 4 without fangs: legs 16.

Inhabits *Siberia.* *Pall Spic. Zool. 9. tab. 3. fig. 18.*

First pair of antennæ incurved.

**Grossipes.* Hands without fangs: antennæ longer than the body: tail obtuse.

Inhabits *Europe.* *Brit. Zool. iv. tab. 16. fig. 31.*

**Locusta.* Hands 4 without fangs: legs 14: thighs simple: tail with bifid spines.

Roef. Inf. 3. tab. 62. Sulz. Inf. tab. 23. fig. 152.

Inhabits *Europe* on sandy shores and in stagnant waters; leaps about with great agility.

**Pulex.* Hands 4 without fangs: legs 10.

Degeer. Inf. 7. tab. 33. fig. 1, 2. Bass. tab. 3. fig. 7.

Very common in fountains and rivulets, and swims in an incurved posture upon it's back: is very troublesome to fish by getting between their gills, and is said to shine by night.

Corniger. Hands without fangs: proboscis incurved subulate: sides of the thorax with a double horn.

Inhabits the *Norway Seas.*

Body of 11 short segments, whitish edged with red, the 5 hind-ones carinate and spinous on the back: under the *sthorax* each side are 2 horns united at the base: *tail* with numerous bifid styles.

- *Linearis*. Hands 4 with a single fang: legs 10.
Pall. Spicil. Zool. 9. tab. 4. fig. 15. Bafter, tab. 4. fig. 2.
 Inhabits the shores of *Europe* and *America*.
- *Atomos*. Hands 4 with a single fang: legs 14, with 2 oval vesicles each side between the fourth and fifth pair.
Pennant Brit. Zool. iv. tab. 12. fig. 22.
 Inhabits *Europe*, in running water and is so very minute as to be seldom visible to the naked eye.
- *Salinus*. Legs 20 spreading: tail subulate.
 Found in the Salt Water at *Lymington*.
Body oblong something larger than a louse: *eyes* distant pedunculate: *tail* filiform, as long as the body.
- *Stagnalis*. Hands without fangs; legs 22: tail cylindrical bifid.
Linnean Transact. 1. p. 103. tab. 9.
 Found generally in small shallow pools of rain water, and is very transparent.
Head of the male armed with fangs ending in 2 incurved hooks: *tail* of the female furnished with a large oval bag of eggs at the base.
- *Gibbosus*. Oblong, gibbous: antennæ folded and very long.
 Inhabits *Portugal*; small.
Body smooth yellowish speckled with brown: *head* thick obtuse with a large green spot: *antennæ* bent under the body, folded and 3 times as long as the body: *tail* with 3 sharp cleft leaves.
- *Elsa*. Hands without fangs: tail jointed subulate and cleft at the tip.
 Inhabits *Norway* and is the chief food of Herrings.
Body blackish, the head more hyaline: *tail* nearly as long as the body, of 5 joints, the last cleft.
- *Medusarum*. Hands 4 with a single fang: head very obtuse.
Stroem, Sundin. 188. tab. 1. fig. 12, 13.
 Inhabits *Norway*, under Medusæ.
- *Filiformis*. Linear; legs 10, the middle ones larger.
 Inhabits *Melacea*. *Amoen. Acad. 6. p. 415. n. 99.*
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G. *Antennæ* 2, the last joint bifid; instead of the hind-ones are 2 biarticulate plates. Scyllarus.

* *Arctus*. Plates of the antennæ ciliate with prickles.
Brown Jamaic. tab. 41. fig. 1. Salz. Inf. tab. 32. fig. 3.
Shell tuberculate brown with small yellow spots: bands 0: legs spotted, the thighs spinous: leaves of the tail broad villous roundish.

Australis. Plates of the antennæ rounded and smooth..
 Inhabits the *Southern Ocean*. Museum of Sir *Jos. Banks*.
Thorax unequal with a crenate margin.

H. *Antennæ* 2 pedunculate and ciliate with thick hairs: plates 0. Hippha.

Adactylus. Thorax smooth: hands without fangs.
 Inhabits the *Southern Ocean*. In the Museum of Sir *Jos. Banks*.
Body ovate smooth, the margin entire: tail inflected, the last joint long subulate and ciliate each side: hind-legs adhering to the tail.

Symnibra. Thorax truncate ferrate and ciliate before: hands chelate.
 Inhabits *India*. Hands heart-shaped.

Scutellatus. Thorax nearly entire and ciliate: hands chelate.
 Inhabits———In the *British Museum*.
Thorax ovate smooth and fringed with long hair at the sides: rounded before and narrower behind: hands smooth.

* *Dentatus*. Thorax smooth and 5-toothed each side: tarfi spinous.
Penn. Brit. Zool. 4. tab. 7. fig. 13.
 Inhabits *European and Indian Seas*.
Body glabrous pale, with a spine each side at the corner of the eye, 3 in the middle and one behind: instead of the proboscis are 2 short teeth: antennæ subciliate, as long again as the body: arms as long again as the body and subspinous: legs smooth fringed.

Dorsipes. Thorax glabrous truncate before and 7-toothed: hands compressed with a falcate thumb.
 Inhabits *India*. *Rumph. Mus. tab. 10. fig. 3.*
Thorax whitish, the margin hairy and crenate, before the tip is an elevated plait ciliate with denticles: tail inflected thin, the last joint ovate obtuse: hands ovate, above rough beneath smooth.

Scaber. Thorax ovate truncate before and many-toothed: hands compressed and toothed each side.

Inhabits the *South Seas*; large.

Thorax rough with oblong raised dots: *tail* short inflexed ciliate: *hands* large rough, 2-toothed on the upper-margin and 5-toothed on the inner: *legs* 8, ciliate, the last joint ovate acute.

Variolosus. Thorax variolous and toothed on the fore-part: legs grooved at the tip.

Inhabits the *Indian Ocean*.

Proboscis short 7-toothed: *thorax* smooth behind with a lateral oblique wrinkle; *hands* smooth; ends of the *legs* falcate.

Cancharus. Thorax oval rugged: hands compressed and spinous at the margin.

Inhabits *India*. *Mus. Lva. Utr.* 455.

Sinicus. Thorax somewhat compressed oval and spinous: arms and legs spinous.

Inhabits *China*. *Herbst. Canc. p.* 218. *n.* 111.

120. MONOCULUS. *Legs* 4--8, formed for swimming and very long; *body* covered with a crest or shell divided into segments: *antennae* 4, 2 or 0: *eyes* 1 or 2, approximate and fixed in the shell: *feelers* 4, in continual motion when swimming; the hind-ones very small and hook-shaped.

A. *With a single eye and crustaceous body.*

Opulus. Antennæ 0: feelers 2, long branched: tail inflexed.

Mull. Entomost. p. 119. *tab.* 20. *fig.* 1—5.

Inhabits *Europe*, in pools and stagnant waters, swims in swarms upon it's back, and has a large black eye which appears to occupy the whole of the head.

**Quadri-cornis.* Antennæ 4: tail straight bifid, the divisions branched,

Donovan's Eng. Inf. i. tab. 2. *Subl. Inf. tab.* 30. *fig.* 9.

Mull. Entom. tab. 18. *fig.* 1—14.

Inhabits *Europe* in fresh and stagnant waters.

Body greyish or greenish, smooth or covered with hair: legs 8, hairy: female with an oval bag containing the eggs each side the tail.

- Minutus.** Antennæ 2, linear: tail ending in 2 bristles.
Mull. Entomofst. p. 101. tab. 17. fig. 1—7.
 Found at the banks of ditches, generally among duck-weed, and at first sight resembles the *Lepisma saccharina*.
 Legs 10, very long and hairy: tail ending in 2 papillæ.
- Caruleus.** Antennæ 2 linear: body bluish with a straight 2-lobed tail.
Mull. Entomofst. p. 102. tab. 15. fig. 1—9.
 Inhabits Germany, in muddy ditches.
 Head, tail and antennæ red: eyes black: abdomen beneath green: legs 8.
- *Rubens.** Antennæ 2, linear; body reddish with a straight forked tail.
Mull. Entomofst. p. 104. tab. 16. fig. 1—3.
 Found in ditches and rivulets and is common through the whole year; legs 8.
- Lacinulatus.** Antennæ 2, linear: tail curved forked.
Mull. Entomofst. p. 195. tab. 16. fig. 4—6.
 Inhabits Germany, in ditches. Antennæ white.
- Longicornis.** Antennæ 2, linear and very long: tail bifid.
Mull. Entomofst. p. 115. tab. 19. fig. 1—9.
 Inhabits the Sea round Femmark.
 Tail ending in 2 bristles.
- Captivus.** Antennæ 2, linear: head covered with a dilated shield: tail straight cleft.
Mull. Entomofst. p. 116. tab. 19. fig. 10—13.
 Inhabits Germany. Legs 6: tail with 6 joints.
- Minuticornis.** Antennæ 2, short linear: tail cleft and ending in 2 bristles.
Mull. Entomofst. p. 117. tab. 19. fig. 14, 15.
 Found though seldom in Sea Water.
 Feelers about half as long as the antennæ.
- Claviger.** Antennæ 2, subclavate rigid: tail bifid.
Mull. Entomofst. p. 108. tab. 16. fig. 7—9.

Inhabits through rarely rivers of *Germany*, and glides slowly along alternately on it's back sides and belly, and sometimes raises itself upright.

Body above white, beneath red : tail not jointed ; legs 8.

Grafficornis. Antennæ 2, dilated and short : tail bicuspidate.

Mull. Entomofst. p. 113. tab. 18. fig. 15—17.

Inhabits Marshes though very rarely.

Body with 5 segments : antennæ branched at the base.

Curticornis. Antennæ 2, minute straight with 3 hairs at the tip : body inarticulate : hands unarmed : tail forked.

Inhabits *Sea Water*. Mull. Entom. p. 115. tab. 19. fig. 4—6.

Chelisfer. Antennæ 2, short recurved : body inarticulate : hands chelate : tail forked.

Inhabits *Sea Water*. Mull. Entom. p. 114. tab. 19. fig. 1—3.

Brevicornis. Antennæ 2, those of the male hooked ; tail with very short bristles.

Inhabits *Sea Marshes*. *At. Hafn.* 9. p. 590. tab. 9. fig. 1—10.

Resembles *M. quadricornis* Antennæ of the female forked at the tip.

B. *With a single eye and bivalve shell : antennæ branched.*

• *Pulex*. Tail inflected : shell mucronate behind.

Mull. Entomofst. n. 34. tab. 12. fig. 4—7.

Lederm. Microsc. 146. tab. 72. fig. 2.

Found in stagnant waters, in such vast numbers, that it appears sometimes covered with a red pellicle.

Shell yellowish : abdomen intestines and 10 legs reddish : female thrice as large as the male, with 8—12 round green eggs : on the back is a large square spot resembling a saddle.

Longispinus. Tail inflected : shell ferrulate before and prickly behind.

In fresh Water. Mull. Entom. n. 35. tab. 12. fig. 8—10.

Shell ovate white pellucid, ending behind in a strong spine ferrate each side and half as long as the shell : legs 8.

Quadrangula. Tail inflected : shell quadrangular unarmed.

In stagnant pools. Mull. Ent. n. 36. tab. 13. fig. 3, 4.

Body sometimes red : legs 6.

- Simus.* Tail inflected: shell oval unarmed.
In Marshes. *Mull. Entomost. n. 37. tab. 12. fig. 11, 12.*
Shell pellucid yellowish: legs 8.
- Retirostris* Tail inflected: hind-head with 2 projecting horns.
In Marshes. *Mull. Entom. n. 38. tab. 12. fig. 1—3.*
Shell oval pellucid with gaping valves and ciliate on the fore-margin: tail with 2 long bristles: legs 6—8.
- Curviros-
tris.* Tail inflected: front with 2 inflected horns.
In pools. *Mull. Entomost. n. 39. tab. 13. fig. 1, 2.*
Shell hairy on the fore-margins: front with 2 pendent horns:
tail ending in 2 hooks: legs 8.
- * *Mucro-
natus.* Tail inflected: shell ovate, beneath inflected and prickly
behind.
In Marshes. *Mull. Entom. n. 40. tab. 13. fig. 6, 7.*
Swims on it's back on the surface of the water.
Shell with 4 black dorsal streaks: legs 12.
- CrySTALLINUS* Tail inflected: shell oblong crystalline; head with 2 short
horns at the tip.
In fresh Water. *Mull. Entom. n. 41. tab. 14. fig. 1—4.*
Body white pellucid with 12 hairy legs.
- Pediculus.* Tail reflected.
In fresh water. *Degeer. Inf. 7. tab. 28. fig. 9, 10.*
- Setifer.* Tail straight: shells with long tufts of hairs at the angles
of the valves.
In stagnant pools. *Mull. Ent. n. 42. tab. 14. fig. 5—7.*
Shell oblong pellucid crystalline: antennæ with 3 branches: legs
very hairy, 8 or more: tail divided at the tip.
- C. *With a single eye and bivalve shell; antennæ simple,*
- Viridis.* Shell ovate downy green.
Mull. Entomost. p. 64. tab. 7. fig. 1, 2.
In sea water, on Fuci and Conserveæ.
Fore-legs falcate and ferrate within.
- * *Luteus.* Shell ovate gibbous glabrous pale yellow.
On Fuci. *Mull. Entomost. p. 65. tab. 7. fig. 3, 4.*

- **Flavidus*. Shell oblong glabrous pale yellow.
Mull. Entomost. p. 66. n. 22. tab. 7. fig. 5, 6.
 Found frequently on the *Flustra lineata*.
 Shell pellucid: fore-legs round.
- Gibbus*. Shell ovate hispid and gibbous each side.
 On Ulvæ. *Mull. Entomost. n. 3. tab. 7. fig. 7—9.*
 Shell ovate pale bristly.
- Coarctatus*. Shell ovate glabrous and contracted in the middle.
 On Fuci. *Mull. Entomost. n. 24. tab. 7. fig. 11, 12.*
 Shell greenish with a black eye.
- D. *With a single eye and bivalve shell: antennæ tufted at the tip.*
- Dorsatus*. Shell oblong white pellucid: tail with 2 bristles.
 In ditches. *Mull. Entom. n. 4. tab. 3. fig. 1—3.*
 Legs 4, the fore-ones recurved, hind-ones reflected.
- Strigatus*. Shell kidney-shaped, brown with 3 white bands.
 In muddy ruts. *Mull. Entom. p. 54. n. 13.*
 Shell glabrous: antennæ with 11 bristles.
- Ornatus*. Shell ovate, sinuate beneath on the fore-part and variegated with white green and fulvous.
 In stagnant water. *Mull. Entom. n. 10. tab. 3. fig. 4—6.*
 Shell gibbous in the middle with a large fulvous spot.
- Pilosus*. Shell ovate brown, ciliate before and behind.
Mull. Entomost. p. 59. n. 16. tab. 6.
 Found in the nectaries of the *Utricularia minor*.
 Shell smooth glabrous opaque.
- Candidus*. Shell ovate snow-white immaculate.
 In marshes. *Mull. Entom. p. 62. tab. 13. fig. 4—6.*
 Shell obtuse before and behind.
- Lævis*. Shell ovate glabrous greenish
 In Ditches. *Mull. Entom. p. 50. tab. 3. fig. 7—9.*
 Shell obtuse opaque: tail ending in a spine.
- Vidua*. Shell ovate white with 3 black bands.
 In muddy water. *Mull. Entom. p. 55. tab. 4. fig. 7—9.*
 Two of the bands are in the middle and one on the fore-margin,
 the valves gibbous and whitish.

- Telemus*. Shell subglobular 3-toothed behind, with a truncate lip on the fore-part.
Inhabits *Algiva*. Pellucid; probably not of this genus.
- Lenticularis*. Shell compressed and lentiform.
Inhabits *Finland*. *Fn. Succ.* 2051.
- **Concha-cens*. Shell ovate downy.
In stagnant Water. *Baker. Microsc. tab.* 15. *fig.* 8.
Donovan. i. tab. 5. *Mull. Ent. tab.* 5. *fig.* 1--5.
Body green opaque with yellowish legs: *abdomen* nearly 2-lobed and fulvous with a black circle in the middle: it contracts itself within the shell and swims on the belly.
- Fasciatus*. Shell oblong whitish with a green band.
In stagnant water. *Mull. Ent. tab.* 4. *fig.* 1--3.
Resembles a grain of Barley: the green band is placed in the middle behind the eye.
- Monachus*. Shell glabrous yellow edged with black.
In marshes. *Mull. Ent. p.* 60. *tab.* 5. *fig.* 6--8.
Shell opaque, truncate before and rounded behind.
- Crassus*. Shell oblong gibbous yellowish with an oblique abbreviated fulvous band.
In Fens. *Mull. Entomost. p.* 61. *tab.* 6. *fig.* 1, 2.
- E. *With a single eye and univalve shell: antennæ 2.*
- **Satyrus*. Shell ovate pellucid and emarginate behind: antennæ obtuse.
In fresh water. *Baker Microsc. tab.* 22. *fig.* 23--25.
Mull. Entomost. p. 42. *n.* 3. *tab.* 2. *fig.* 1--4.
Shell flat membranaceous: *fore-legs* with a double *Quank*: *tail* truncate and cleft in the middle.
- Silenus*. Shell ovate opaque and subemarginate behind: last joint of the antennæ subulate.
Mull. Ent. p. 44. *n.* 4. *tab.* 2. *fig.* 12--15.
Found in ditches filled with the leaves of trees,
Shell subopaque and sometimes yellowish.
- Menas*. Shell oval: antennæ horizontally extended: body truncate at the base.

In sea Water. *Mull. Entom. n. 5. tab. 2. fig. 18, 19.*
Swims on it's back. *Shell* with a convex fulvous back.

Fannus. Shell ovate pellucid and emarginate behind: last joint of the antennæ subulate.

Mull. Entomof. p. 46. n. 6. tab. 2. fig. 5—8.

Found in ditches among duck-weed.

Shell gibbous: *antennæ* bent back.

Bacchus. Shell ovate, emarginate behind, and ending in 2 bristles.

Inhabits Rivers. *Mull. Entomof. p. 46. tab. 2. fig. 9—11.*

Antennæ stretched forwards: *legs* 4.

Thyas. Shell dilated linear: antennæ incumbent.

Mull. Entomof. p. 47. n. 8. tab. 2. fig. 16--17.

In stinking sea-water: *Fore-legs* branched.

Bracteatus. Shell globular unarmed: legs 6.

In fresh water. *Mull. Entom. tab. 1, fig. 1, 2.*

Antennæ obtuse: *shell* very pellucid.

**Saltatorius.* Shell oval-oblong and bristly behind.

Baker Microf. tab. 12. fig. 26. Mull. Ent. t. 1. f. 3--7.

Shell pellucid and terminated by bristles.

F. *Shell* univalve: eyes 2, placed beneath

Charon. Shell pellucid: legs 4.

In Ditches. *Mull. Entomof. tab. 20. fig. 1, 2.*

Eyes spherical remote deep black, with 4 capillary circles round them.

**Delphinus* Shell gibbous: legs 8.

In Rivers. *Baker Microsc. p. 76. tab. 37.*

Armiger. With 6 legs.

Slabb. Microsc. tab. 6. fig. 1.

G. *Shell* bivalve: eyes 2, placed on the back.

Polyphemus. Shell orbicular, the suture lunate and toothed behind: tail subulate and very long.

Seba Mus. 3. tab. 17. fig. 1. Knorr. Delic. tab. F. 1.

Kæmpf. Japan. tab. 13. fig. 8. Schæff. Mon. 176. tab. 7.

Inhabits India, and is the largest known insect, growing sometimes to 4 feet long.

Cyclops. Shell convex with 3 lines of raised spines: tail very long and unarmed.

Inhabits *India*. *Limulus Cyclops*. *Fab.* ii. p. 488.

About a third part the size of the last. Shell lunate before with 3 raised dorsal lines and 2 acute teeth, finely serrate behind with a raised line in the middle in which are 3 teeth.

* *Apus*. Shell oblong, truncate and ferrate behind: tail ending in 2 bristles.

In stagnant water. *Sulz. Inf. tab.* 24. fig. 153.

Philosoph. Transact. 40. p. 150. tab. 1. fig. 2.

* *Pycnus*. Shell heart-shaped, flat.

Frisch Inj. 6. tab. 12. *Baister.* 2. tab. 8. fig. 9, 10.

Inhabits the *Ocean*, and adheres to various fish: moves very quick with it's tail elevated.

Shell pellucid with yellowish marks: abdomen very short with a long bifid tail.

Pennigerus. Shell hemispherical with a linear suture: tail feathered.

In fresh water. *Mull. Entomofst.* p. 127. n. 62,

Salmoneus. Shell oblong; tail imbricate 4-leaved.

Mull. Entomofst. p. 132. n. 64. tab. 21. fig. 3, 4.

Found sticking to the *Salmmon*, between the scales.

Body long yellowish with very minute eyes.

H. Shell bivalve: eyes 2: antennæ capillary.

Brachyurus Shell globular: tail deflected: antennæ 4.

In Marshes. *Mull. Entom. n.* 35. tab. 8. fig. 1--12.

Shell pellucid, reddish-brown when young and green when older, with a white eye on the fore-part and a black one behind: legs 20--24.

* *Sphæricus* Shell globular: tail inflected: antennæ 2.

Mull. Entomofst. p. 71. n. 26. tab. 9. fig. 7--9.

In stagnant water among duck-weed.

Shell rufous: legs 12.: tail sinuate beneath with a claw at the tip.

Quadrangularis. Shell quadrangular: tail inflected: antennæ 2.

In most waters. *Mull. Entom. tab.* 9. fig. 1--3.

Legs 12--16 larger, besides numerous lesser-ones: tail armed with 2 minute spines at the tip.

Lamellatus.

- Lamellatus*. Shell ventricose: tail inflected lamellate: antennæ 2.
In stagnant water, *Mull. Entom. tab. 9. fig. 4--6.*
Shell convex: eyes green: legs capillary: tail with a broad ferrate lamina beneath and 2 spines at the tip.
- Trigonellus*. Shell gibbous before: tail inflected ferrate: antennæ 4.
In Ditches, *Mull. Entom. p. 74. tab. 10. fig. 5, 6.*
Shell ciliate, with a sharp proboscis: antennæ with 3 bristles at the tip: ovaries black.
- Truncatus*. Shell ovate and toothed behind: tail inflected ferrate: antennæ 4.
In stagnant water. *Mull. Entom. tab. 11. fig. 4--8.*
Shell obliquely striate, ciliate before and ferrate behind: tail broadish and ending in a claw.
- Longirostris*. Shell roundish; tail inflected: shell prickly on the fore-part.
In rivulets, *Mull. Entom. p. 76. tab. 10. fig. 7--8.*
Proboscis longer than the head, curved and subulate.
- Macrourus*. Shell oblong: tail straight: antennæ 4.
In Lakes. *Mull. Entom. p. 77. tab. 10. fig. 1--4.*
Shell pellucid whitish: legs 8: tail lanceolate.
- Secors*. Shell ovate: tail projecting curved: antennæ 2.
In most waters, *Mull. Entom. p. 78. tab. 9. fig. 1--3.*
Shell pellucid without striæ teeth or fringe: legs 4: tail bicuspidate at the tip,

121. ONISCUS. *Faro* truncate denticulate:
lip bifid: antennae setaceous, 2--4: body
oval, consisting of about 14 transverse
segments: legs 14.

These feed on animal and vegetable matter and cast their skin.

A. Feelers 0: antennæ often 4, sessile: Cymothoa.

- Paradoxus*. Segments of the body falcate and spinous.
Inhabits *Terra del fuego*: large.
Body broad depressed: antennæ 4: eyes 2, in the first segment: 3
last segments narrower, and hardly dilated: tail large ovate
with 3 raised dorsal lines, with an obtuse lamina each side at
the tip.

Imbricatus. Antennæ compressed: legs furnished with claws; hind-thighs carinate.

Inhabits *New Zealand*: large, oblong, pale.

Antennæ 4, short: tail broad obtuse with 2 obtuse laminæ each side: 8 hind-thighs carinate.

Falcatus. Segments of the body falcate and 2-spined at the sides.

Inhabits the *Chinese Ocean*,

Antennæ 4, short compressed: head smooth white, rounded before and 3-lobed behind: 7 larger segments yellowish 2-spined each side, the first segment 1-spined: tail ovate obtuse.

* *Ahlus.* Abdomen covered with 2 scales: tail semioval.

Inhabits the *European Ocean*. *Petit. Gaz. tab. 155. fig. 1.*

Pall. Spicil. Zool. 9. p. 71. tab. 4. fig. 12.

Guadeloupensis. Abdomen covered with 6 scales: tail ovate entire.

Inhabits the *American Ocean*; size of the next.

Antennæ short compressed: last segment or tail oval and flat with 2 styles, the last joint of which are bifid.

* *Oesrum.* Abdomen covered with 6 scales: tail retuse.

Brit. Zool. iv. tab. 18. fig. 1. Seba. Mus. tab. 90.

Inhabits the *European Ocean*.

* *Entomon.* Abdomen naked beneath: tail oblong acute.

Brit. Zool. iv. tab. 18. fig. 5. Degeer. 7. t. 32. f. 1, 2.

Inhabits *European Ocean*, and preys on small fish.

* *Aquaticus* Tail rounded with forked styles: antennæ 4.

Donovan v. tab. 159. Degeer. Inf. tab. 31. fig. 1.

Inhabits *Europe* in stagnant waters.

The young are contained in a 6-cleft follicle.

* *Marinus.* Semicylindrical: tail oval-oblong pointed.

Brit. Zool. iv. tab. 18. fig. 3. Degeer. 7. t. 32. f. 11.

Inhabits the *European Seas*.

* *Linearis.* Body linear: tail 4-toothed.

Brit. Zool. iv. tab. 18. fig. 2. Pall. Spic. 9. t. 4. f. 11.

Inhabits *European and Indian Seas*.

Chelipes. Oblong; tail 3-toothed: legs slightly chelate.

Pall. Spic. Zool. 9. tab. 4. fig. 17. Miscell. t. 14. f. 16, 17.

Inhabits the *Atlantic*, among sea weed,

Bicaudatus Semicylindrical, with 2 tails as long as the body.
Inhabits the Seas of *Norway*.

Scopulorum. Body pale yellow with brown streaks.
Inhabits the Seas of *Norway*.

Americanus Abdomen covered with 12 scales: hind-legs long and rufous:
tail rounded.
Inhabits the *American Ocean*.
Antennae 4, equal compressed whitish: *eyes* reticulate: *segments*
of the body 7, of the tail 6, the last flat rounded and entire.

Pforsa. Abdomen naked beneath: tail semioval acute.
Inhabits *Norway*. *Art. Hafn.* 9. p. 594. *tab.* 10.

**Phyodes*. Abdomen naked beneath: tail ovate.
Inhabits *Europe*. *Sulz. Hist. Inf.* *tab.* 30. *fig.* 11.

**Bidentatus* Abdomen naked: tail very obtuse, the last scale 2-toothed.
Inhabits *British Shores*. *Linn. Trans.* v. 8. *tab.* 2. *fig.* 3, 4.
Body very minute and marked on the upper side with 6 transverse
rows of ochreous spots: *scales* even, the last with 2 teeth.

Spinosus. Body oblong, spinous pellucid.
Inhabits the *Atlantic*. Body gelatinous.
Head rounded, with marginal spines: segments of the body with
a subspinous ridge: 2 first pair of *legs* chellate, 4 next pair
longer with spinous angles, the last short, with a claw at the
end.

Acuminatus Oblong, grey: antennæ and legs paler: tail pointed.
Inhabits the *Ocean*; larger than *C. marinus*.
Antennæ 4, the inner-ones shorter.

Emarginatus. Oblong grey-brown: tail emarginate.
Inhabits the *Ocean*; size of the last.
Antennæ 4, the fore-ones shorter: tail ovate obtuse.

Albicornis. Oblong, brown: tail pale dotted with black.
Inhabits the *Spanish Seas*.
Antennæ pale: *segments* paler at the edges: tail of 5 scales: *legs*
pale.

Ceti. Ovate with distinct segments: third and fourth pair of legs
linear and unarmed.

Seba. Mus. 1. tab. 90. fig. 5. Degeer. 7. t. 42. f. 6, 7.
Inhabits the *Northern Seas*, on Whales.

**Oceanicus* Ovate; tail ending in 2 bifid styles.

Brit. Zool. iv. tab. 18. fig. 4. Baß. t. 13. f. 4.
Inhabits the *European Ocean*.

Serratus. Ovate, brown: tail with 5 plates, the outer ones serrate without.

Inhabits the *Spanish Coast*; small.

**Affimilis.* Ovate; tail obtuse unarmed: body cinereous.

Inhabits *Europe*. *Baßer. 2. tab. 13. fig. 3.*
Tail obtuse without styles: body dusky.

Corallinus. Lanceolate; above brown; tail oblong-triangular and crenate.

Inhabits *Sunderman*. *Thunb. Aët. Ups. 4. p. 27. n. 46.*

Aculeatus. Thorax naked: back with 3 rows of spines.

Aët. Petrop. 1778, 1. p. 247. tab. 8. fig. 1.
Inhabits the *White Sea*. Body carmine.

Scorpioides. Thorax oval-globular: tail long jointed, ending in a spine and bifid bristles.

Inhabits the *White Sea*. *Aët. Petrop. 1778. tab. 8. fig. 2.*

Cuspidatus. Thorax articulate tuberculate; the 6 dorsal segments cuspidate.

Inhabits the *White Sea*. *Aët. Petrop. 1778. tab. 8. fig. 3.*
Antennae 4: tail tufted at the sides.

Helicus. Cinereous, linear: tail linear bicuspidate with 2 linear styles.

In the *Atlantic*. *Pall. Spic. Zool. 9. t. 4. f. 10. A, B, C, D.*
Body hardish: antennae 4: legs minute.

Tinea. Ovate, green spotted with black: tail rounded.

Inhabits *Denmark*. *Mull. Zool. Dan. 2364.*

Tridentatus Flattish; tail with 2 plates and 3-toothed.

Inhabits *Denmark*. *Mull. Zool. Dan. 2372.*

Fuscus. Brown; shell carinate with a white spot on the thorax.

Inhabits *Denmark*. *Mull. Zool. Dan. 2476.*

Medusarum A little compressed: front obtuse; antennæ very short and pendent: hands 4 compressed and cut.

Stroem. Sundm. 1. p. 188. *tab.* 1. *fig.* 12, 13.

Found under the folds of the *Medusa Capillata*.

Cicada. Compressed, sublinear with 4 spurious hands: upper antennæ shorter: tail smooth on the back.

Inhabits *Greenland Seas.* *Fab. fn. Groen.* p. 258. n. 233.

Arenarius. Slightly depressed before, carinate and subserrate behind: 4 fore-legs cheliform and smooth: antennæ nearly equal.

Stroem. Act. Hæfn. 10. *tab.* 2. *fig.* 1--8.

Inhabits the Sandy Shores of *Greenland*, on the *Ulva umbilicalis*.

Stræmianus Compressed; 4 fore-legs cheliform and slightly toothed: upper-antennæ very short.

Stroem. Act. Hæfn. 9. p. 558. *tab.* 8.

Inhabits the Shores of *Greenland.* Body violet.

Abyssinus. Subcylindrical; 4 fore-legs cheliform and 1-toothed: antennæ subequal setiferous and serrate at the base on the inner margin.

Inhabits *Greenland.* *Fab. Fn. Groen.* p. 261. n. 236.

Body with white and saffron bands: darts with great velocity in the water.

These 6 last might probably be referred to the Genus *Cancer*.

B. *Feelers unequal, the hind-ones longer: antennæ filiform,*

Maculatus. Tail obtuse unarmed: body lead-colour with dotted white lines.

Inhabits *Italy*; twice the size of *C. armadillo*.

Body with 7 longitudinal white dotted lines.

Pustulatus. Black; with 4 red dots [on the first segment and 2 whitish ones on the rest.

Inhabits *Southern Europe*.

* *Affellus.* Tail obtuse with 2 simple styles. *Wood-louse.*

Degeer. Inf. 7. *tab.* 35. *fig.* 3. *Sulz. Inf. t.* 24. *f.* 154.

Inhabits *Europe* in walls, rotten wood and under stones.

The young are contained in a 4-valved follicle under the abdomen of the mother.

Sylvestris. Tail with 4 styles, the lateral ones longer.

Inhabits *France*; less than the last.

Body

Body blackish with cinereous specks: *tail* narrower than the body with 4 distinct styles, the lateral ones a little larger and pale.

- * *Armadillo* Body grey-brown: tail obtuse entire.
Found under stones. Sulz. *Hist. Inf. tab.* 30. fig. 13.
Body of 10 segments, the edges of which are white.

122. SCOLOPENDRA. *Antennae* setaceous: *feelers* 2, filiform, united between the jaws: *lip* toothed and cleft: *body* long, depressed, consisting of numerous transverse segments; *legs* numerous, as many each side as there are segments of the body.

These insects live in decayed wood or under stones, and some of them in fresh and salt water: they prey on other insects.

- * *Lagura*. Legs 12 each side: body oval: tail with a white pencil of hairs.

Degeer. Inf. 7. tab. 36. fig. 1, 2, 3. *Geoffr. Inf.* 2. t. 22. f. 4.
Inhabits Europe, under the bark of old trees,
Body brown: head black: sides with 9 tufts of hairs.

- Coleoptrata* Legs long, 14 each side: body scutellate.
Inhabits Europe. *Pall. Spicil. Zool.* 9. tab. 4. fig. 16.
Antennae yellow, as long as the body: *thighs* prickly, *thanks* rough.

- * *Forficata*. Legs 15 each side: body reddish-brown.
Donovan. vi. tab. 198, *Sulz. Inf. tab.* 24. fig. 155.
Inhabits Europe and America, under stones and flower-pots.

- Gigantea*. Legs 17 each side: tail with 2 hooked styles.
Inhabits America. *Brown. Jamaic. tab.* 42. fig. 4.

- Morsitans*. Legs 20 each side: eyes 8.
Degeer. Inf. 7. tab. 43. fig. 1. *Catesby Carol.* 3. tab. 2.
Seba Mus. 3. tab. 81. fig. 3, 4, 2. t. 25. f. 3, 4.
Inhabits India. Its bite is said to be something venomous.

Ferruginea. Legs 22 each side: body ferruginous.

Inhabits *Africa*. *Degeer. Inf. 7. tab. 43. fig. 6.*

Body with 20 segments: legs pale yellow,

Dorsalis. Legs 30 each side: body brown with a ferruginous dorsal line.

Inhabits *Tranquebar*, large. Legs ferruginous.

Clypeata. Legs 30 each side: body brown rough: head shielded.

Inhabits *Tranquebar*; less than the last.

Body of 16 narrow segments which are substriate and rough with raised dots: head covered with a rounded entire shield: antennae short pale: tail emarginate: legs pale.

**Eleatica.* Legs 70 each side: body linear.

Degeer Inf. 7. tab. 36. fig. 17. Frisch. Inf. 2. t. 8. f. 1.

Inhabits *Europe*, in decayed wood, and shines in the dark.

Body very flat, tawny with a black line down the back.

Phosphorea. Legs 76 each side.

Inhabits *Asia*, and shines like the glow-worm in the dark: has been known to fall from the air into a vessel a thousand miles from land, in the *Indian Sea*.

Head ovate yellowish with 2 grooved lines and another transverse one: antennae subulate ferruginous, of 14 articulations: body filiform, about as thick as a goose quill, purplish with 2 yellow parallel lines.

Occidentalis. Legs 123 each side.

Inhabits *America*. *Liss. It. 1699. tab. 6.*

Body ferruginous: antennae with 14 articulations.

Gabrielis. Legs 148 each side: body yellowish.

Inhabits *Italy*; 4 times as large as *S. electrica*.

Antennae short of 14 articulations: tail semioval with an appendage and 2 short styles.

Marina. Legs—each side: body pale with a rufous dorsal line.

Inhabits the *Atlantic*. *Ström. Sundm. 1.*

Number of legs unknown.

123. JULUS. Lip crenate emarginate: antennae moniliform: feelers 2, filiform: body long semicylindrical, consisting of numerous transverse segments: legs numerous, twice as many each side as there are segments of the body.

- *Ovatus*. Legs 20 each side.
Gronov. Zoophyl. 105. tab. 3. fig. 1.
 Inhabits the *European Caucasus*; is probably an *Oniscus*.
- *Complanatus*. Legs 30 each side: body flattish: tail pointed.
 Inhabits *Europe*. *Degeer Inf. 7. tab. 36. fig. 2.*
 Body brown: antennae slightly clavate.
- Depressus*. Legs 30 each side: body flattish: tail rounded entire.
 Inhabits *East India*. Ten times as large as the alt.
 Head brown: segments rough grey and prominent each side.
- Stigma*. Legs 30 each side: body black with a white dot each side on every other segment.
 Inhabits *Tranquebar*; twice as large as *J. complanatus*.
 Antennae and legs black: tail pointed white.
- Tridentatus*. Legs 36 each side: tail 3-toothed.
 Inhabits *America*; thicker than *J. subulosus*.
 Body with 18 grey segments, each marked with a ferruginous dorsal dot: legs with 2 denticles at the base.
- Varius*. Legs 78 each side: segments of the body black at the base and white at the tip.
 Inhabits *Italy*; middle-sized.
 Head black with a white band in the middle segments with a fine ferruginous margin: legs black.
- Grassus*. Legs 80 each side: tail acute.
 Inhabits *Asia*: pale with a line of black dots each side.
- Carnifex*. Legs 94 each side: head and legs red: tail with a red line.
 Inhabits *Tranquebar*. *Schroet. Abb. 1. tab. 3. fig. 7.*
 Larger than *I. subulosus*. Tail pointed.
- *Terristris*. Legs 100 each side: body blackish polished.
Donovan. vi. tab. 207. Degeer Inf. tab. 36. fig. 9, 10.
Frisch. Inf. 2. tab. 8. fig. 3. Sulz. Inf. t. 24. f. 156.
 Inhabits *Europe*, under stones and in the earth.
- Rapistris*. Legs 108 each side: body livid.
 Inhabits *America*. *Guldenstedt. It. 1. p. 295.*
 Body about as thick as a goose-quill and 2 inches long: head and antennae black: 2 last segments without feet.

Indus. Legs 115 each side: body ferruginous: legs yellow.
 Inhabits *India* *Sera. Mus.* 1. tab. 81. fig. 5.
Degeer. 7 tab. 43. fig. 7 *Petr. Gaz.* 1. 74. f. 3.
 Last segment of the body pointed.

•*Sabulosus.* Legs 120 each side: body livid.
Schaeff Elem. tab. 73.
 Inhabits *Europe*, in damp places and in ants.

Fuscus. Legs 124 each side: body brown.
 Inhabits *India*, *Seba. Mus.* 2. tab. 24. fig. 4, 3.

Maximus. Legs 134 each side.
 Inhabits *America*, very large. *Lif. It.* 1699. tab. 5.

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ERRATA.

Page 704. Between *Acarus Siro* and *Ac. domesticus* insert

• *Autumnalis.*

Globular ovate red: abdomen bristly behind. *Harvest-bug.*

Shaw Naturalist's Miscell. tab 42.

Inhabits *Europe*, and is sufficiently known by its bite during the Autumn months to most people: it is less than the common mite and adheres firmly to the skin, causing a tumour and severe itching by its bite.

Page 241, l. 14, for *wauria* read *wauaria*.

Page 249, l. 1, the specific name should be *liturata*.

Page 256, l. 17, read *decussata*.

Page 338, l. 3, from the bottom: the specific name should be *rurea*.

Page 386, l. 10, for *seek* read *seen*.

Page 513, l. 6, for *contigious* read *contiguous*.

Page 593, l. 34, for *Members* read *numbers*.

Page 653, l. 8, from the bottom: for *luteolu* read *luteola*.

Page 673, l. 24, for *approximate* read *approximate*.

Page 709, l. 21, for *aruaticus* read *aquaticus*.

Page 720, l. 3, for *secrets* read *secretes*.

Page 775, l. 1, for *Medusaram* read *medusarum*.

Page 775, l. 31, for *Afellus* read *Afellus*.

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